

Sabine Regional Flood Planning Group Meeting
Sabine River Authority Main Office, Orange TX
February 23, 2022
9:00 AM

NOTE: This meeting will be conducted in person and via Zoom

<https://zoom.us/j/6418597377?pwd=a2svTVhpbzJML1h3M3Y3SXVHaWV5QT09>

Location: Meeting will be held at the Sabine River Authority of Texas, Main Office, Hwy 87 N, Orange, TX 77632.

If you wish to provide written comments prior to or after the meeting, please email your comments to comments@sabine-rfpg.org and include "Region 4. Sabine River Flood Planning Group Meeting" in the subject line of the email.

This meeting is a public meeting under Chapter 551 of the Texas Government Code.

If you choose to participate in the meeting using the conference call number below, please be prepared to identify yourself. So, we can record your attendance. Telephone conference call phone number:

Phone Number:	+1 346 248 7799
Meeting Number:	641 859 7377
Access Code:	857302.

Additional information may be obtained from:

Mark Howard
RMPD Division Manager
Sabine River Authority of Texas
12777 Hwy 87 N.
Orange, Texas 77632
(409) 746-2192
mhoward@sratx.org.

Sabine RFPG meeting

Sabine River Authority, Orange, TX

**February 23, 2022 – 9:00 AM
AGENDA**

1. Call to Order.

Presenter: Travis Williams, Chair

2. Roll Call.

Presenter: Mark Howard for Jeff Rogers, Secretary

3. Welcome, Meeting Facilitation Information, and Instructions.

Presenter: Travis Williams, Chair

4. Receive public comments (public comments limited to 3 minutes per speaker).

Presenter: Travis Williams, Chair

5. Discussion and Approval of minutes from the previous Region 4 Sabine RFPG meeting held January 19, 2022.

Presenter: Travis Williams, Chair

6. Update from Chair.

Presenter: Travis Williams, Chair

7. Update from the Texas Water Development Board

Presenter: Ryke Moore

8. Region 5. Neches RFPG Report.

Presenter: Don Carona

9. Update from Technical Consultant, Freese and Nichols.

Presentation of Amended Technical Memorandum.

Discussion and potential actions on the Amended Technical Memorandum for Region 4.

Discussion of recommended floodplain management practices.

Presenter: Mat Leclair / Mike Reedy

10. Consider date and agenda items for next meeting.

Presenter: Travis Williams Chair

11. Adjourn.

Presenter: Travis Williams, Chair

AGENDA ITEM 1: CALL TO ORDER

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

Chair Travis Williams will call the meeting to order.

Time: _____

RECOMMENDED ACTION

No action required.

AGENDA ITEM 2: ROLL CALL

PRESENTED BY: JEFF ROGERS, SECRETARY

SUPPORTING INFORMATION

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (V-Virtual, P-Physical)/ Absent () / Alternate Present (*)</u>
James (Bill) Bruce	<i>Agricultural interests</i>	
Johnny Trahan	<i>Counties</i>	
Francis X. Shannon	<i>Electric generating utilities</i>	
Clyde V. "Tad" McKee III	<i>Environmental interests</i>	
Don Carona	<i>Flood districts</i>	
Nikki Davis	<i>Industries</i>	
Alton Bradley	<i>Municipalities</i>	
Michelle Falgout	<i>Public</i>	
Travis Williams	<i>River authorities</i>	
Jeff Rogers	<i>Small business</i>	
Roman D. Griffin	<i>Water districts</i>	
Ross Gordon	<i>Water utilities</i>	

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present (V-Virtual, P-Physical)/ Absent () / Alternate Present (*)</u>
Colleen Jones	General Land Office (GLO)	
Kathy Saucedo	Texas Commission on Environmental Quality (TCEQ)	
Manuel Martinez	Texas Department of Agriculture (TDA)	
Andrea Sanders	Texas Division of Emergency Management (TDEM)	
Robert (Bob) Baker	Texas Parks and Wildlife Department (TPWD)	
Trey Watson	Texas State Soil and Water Conservation Board (TSSWCB)	
Ryke Moore	Texas Water Development Board (TWDB)	

RECOMMENDED ACTION

Number of voting members or alternates present. _____

Seven voting members are required for a quorum.

Quorum is present, Yes, or No?

**AGENDA ITEM 3: WELCOME, MEETING FACILITATION
INFORMATION, AND INSTRUCTIONS**

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

RECOMMENDED ACTION

No action required.

AGENDA ITEM 4: PUBLIC COMMENTS

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

Receive public comments (public comments limited to 3 minutes per speaker)

RECOMMENDED ACTION

No action required.

AGENDA ITEM 5: DISCUSSION AND APPROVAL OF MINUTES

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

Discussion and approval of minutes from the previous Region 4 Sabine RFPG meeting held January 19, 2022.

RECOMMENDED ACTION

Discuss and approve minutes.

MOTION: _____ SECOND: _____ APPROVED: _____

PROJECT: Sabine Regional Flood Planning Group (RFPG)
NAME OF MEETING: Region 4 Sabine RFPG Meeting – November 2021
RECORDED BY: Mat Leclair, PE, CFM, CPESC
DATE: January 19, 2022; 9:00am
LOCATION: Virtual and In-Person (SRA Office – Orange, TX)

The following reflects our understanding of the items discussed during the subject meeting. If you do not notify us within five working days, we will assume that you are in agreement with our understanding.

Voting Member	Interest Category	Present (x) / Absent () / Alternate Present (*)
James (Bill) Bruce	Agriculture Interests	x
Johnny Trahan	Counties	x
Francis X. Shannon	Electric Generating Utilities	x
Clyde V. McKee III	Environmental Interests	x
Don Carona	Flood Districts	x
Nikki Davis	Industries	x
Alton Bradley	Municipalities	x
Michelle Falgout	Public	x
Travis Williams	River Authorities	x
Jeff Rogers	Small Business	x
Roman D. Griffin	Water Districts	
Ross Gordon	Water Utilities	x

Voting Members: 11

Voting Members Present: 12

Quorum: **Yes**

Non-Voting Member	Interest Category	Present (x) / Absent () / Alternate Present (*)
Colleen Jones	General Land Office	
Kathy Saucedo	Texas Commission on Environmental Quality	
Manuel Martinez	Texas Department of Agriculture	x
Andrea Sanders	Texas Division of Emergency Management	
Robert (Bob) Baker	Texas Parks and Wildlife	
Trey Watson	Texas State Soil and Water Conservation Board	x
Ryke Moore	Texas Water Development Board	x

Other Meeting Attendees:

Mat Leclair (FNI)

Allison Hand (FNI)

Jim Brown (SRA)

John Grounds (LJA)

Mike Reedy (FNI)

Douglas Manning (OCDD)

Jamie East (SRA)

Allison Wood

Agenda Item 1: Call to Order

- Johnny Trahan called the meeting called to order at 9:00 am.

Agenda Item 2: Roll Call

- Jim Brown (SRA) confirmed quorum with 11 out of 12 voting members.

Agenda Item 3: Welcome, Meeting Facilitation Information, and Instructions

- Johnny Trahan welcomes everyone to the meeting.

Agenda Item 4: Receive general public comments (public comments limited to 3 minutes per speaker).

- No members of the public online.
- No comments from the public.

Agenda Item 5: Discussion and Approval of minutes from the previous Region 4 Sabine RFPG meeting held December 16, 2021.

- **Clyde McKee motions to adopt as presented. Nikki Davis seconds. Motion passes**

Agenda Item 6: Updates from Chairman

- Johnny Trahan does not have any updates at this time.

Agenda Item 7: Election of Officers

- Johnny Trahan reads the Section 1 and Section 2 of the Region 4 Sabine RFPG bylaws.
- Nominations for Chair by voting members
- Discussion and potential action elect Chair
 - o **Johnny Trahan nominates Travis Williams as the chair. James (Bill) Bruce seconds the motion. Motion passes.**
- Nominations for Vice Chair by voting members
- Discussion and potential action to elect Vice Chair
 - o **James (Bill) Bruce nominates Johnny Trahan. Don Carona seconds the nomination. Motion passes.**
- Nominations for Secretary by voting members
- Discussion and potential action to elect Secretary
 - o **Johnny Trahan nominates Jeff Rogers. Don Carona seconds the nomination. Motion passes.**

Agenda Item 8: Election of Executive Committee members-at-large:

- Johnny Trahan reads Article 8, Section 6 of the bylaws.
- Discussion and potential action to elect two Executive Committee members-at-large.
 - o **Jeff Rogers nominates James (Bill) Bruce. Johnny Trahan seconds the motion.**

- **Travis Williams nominates Don Carona. James (Bill) Bruce seconds the motion.**
- Johnny Trahan asks if Don Carona will continue to serve as the liaison to the Neches Group. Don Carona agrees.

Agenda Item 9: Update from the Texas Water Development Board

- Ryke Moore thanks the group for submitting the Technical Memo and notes that the group should hear from TWDB no later than Feb. 4th.
- Contract amendments are being routed internally.
- Technical consultant conference today to discuss TDIS.

Agenda Item 10: Region 5. Neches RFPG Report.

- Douglas Manning noted they had a public outreach meeting last week. Next meeting is January 27th at LNVA office.
- Second outreach meeting was better than the first.

Agenda Item 11: Update from Freese and Nichols

- Mat Leclair presented an update to the RFPG members.
 - The upcoming schedule was discussed, notably the upcoming deadline for the extended items within Task 2 which are due to TWDB in early March 2022. The revised tech memo will need to be voted on and approved at the February RFPG meeting.
 - The current approach was outlined, and graphics were shown depicting the different floodplain delineations within Orange County.
 - Concerns about the latest Fathom data were brought up, notably that the extents of the data were significantly larger than the current FEMA mapping in the region.
 - The hierarchy of usable data was highlighted noting that FEMA data would be the highest priority followed by BLE, FEMA Zone A, and finally Fathom.
 - Concerns from the RFPG members were expressed nothing that FEMA data is sometimes a redelineation of older modeling data which may have been done a long time ago.
 - The RFPG requested FNI to provide a memo to the group outlining the sources of the floodplain data, strategies, as well as dates of detailed modeling that FNI is recommending to the group.
 - FNI highlighted that a large portion of the Sabine River watershed does not have adequate detailed floodplain mapping and FNI would consider these as mapping gaps as part of the Regional Flood Plan document and exhibits.
 - FNI outlined the schedule for the coming months leading up to the first draft submittal of the Regional Flood Plan in August 2022 and noted that draft chapters would be provided to the group in phases for review and discussion rather than a single draft document when all of the chapters are compiled.

Agenda Item 12: Consider date and agenda items for next meeting.

- Johnny Trahan proposed the next meeting for the Sabine RFPG to be held on Wednesday, February 23th at 9:00am.
- **James (Bill) Bruce motions and seconded by Jeff Rogers.**

Agenda Item 13: Adjourn

- **Nikki Davis motions to adjourn the meeting and Travis Williams seconds the motion. Johnny Trahan ended the meeting at 10:27am.**

AGENDA ITEM 6: UPDATE FROM CHAIR.

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

RECOMMENDED ACTION

No action required.

**AGENDA ITEM 7: UPDATE FROM THE TEXAS
WATER DEVELOPMENT BOARD.**

PRESENTED BY: RYKE MOORE, TWDB

SUPPORTING INFORMATION

RECOMMENDED ACTION

No action required.

AGENDA ITEM 8: REGION 5. NECHES RFPG REPORT.

PRESENTED BY: DON CARONA

SUPPORTING INFORMATION

RECOMMENDED ACTION

No action required.

**AGENDA ITEM 9: UPDATE FROM TECHNICAL
CONSULTANT, FREESE AND NICHOLS.**

PRESENTED BY: MAT LECLAIR, MIKE REEDY

SUPPORTING INFORMATION

- Presentation of the Amended Technical Memorandum.
- Discussion and potential actions on the Amended Technical Memorandum for Region 4.
- Discussion of recommended floodplain management practices.


No Action Required.



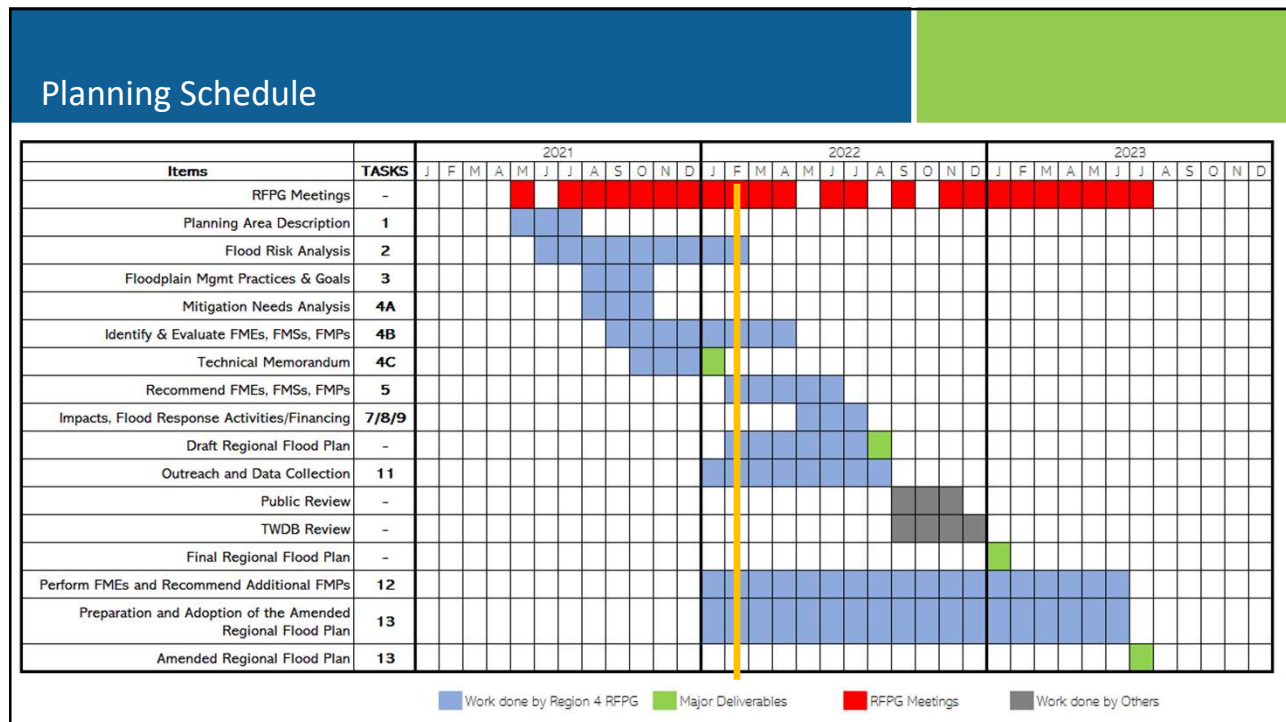
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Regional Flood Plan Updates

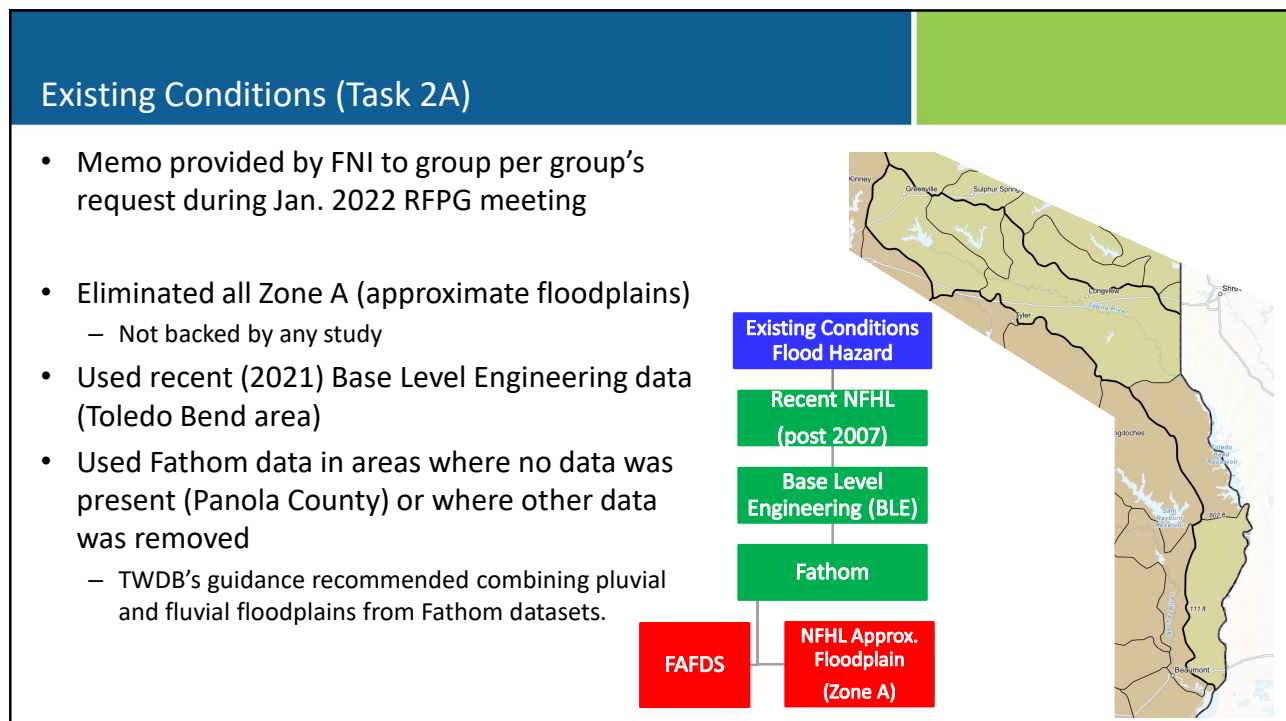
- Planning Schedule
- Discussion on Existing and Future Flood Hazards
- Amended Tech Memo Vote
- Flood Management Practices Recommendations
- Actions Items



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Task 2 – Existing/Future Flood Hazard Conditions

Existing Flood Hazard Area

- Existing Conditions 100 YR
 - Adequate NFHL Effective Zone AE
 - Base Level Engineering (BLE)
 - Fathom 100 YR
- Existing Conditions 500 YR
 - Adequate NFHL Effective Zone X
 - Fathom 500 YR
- Existing Flood Prone Areas
 - Public Comments
 - No additional area identified

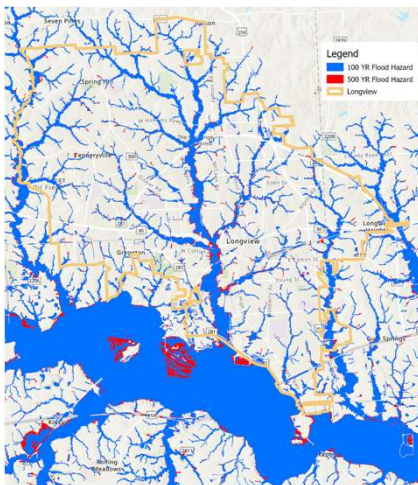
Future Flood Hazard Area

- Future Conditions 100 YR
 - Existing Conditions 500 YR
- Future Conditions 500 YR
 - Future 100 YR + Difference between Existing 100 YR and 500 YR

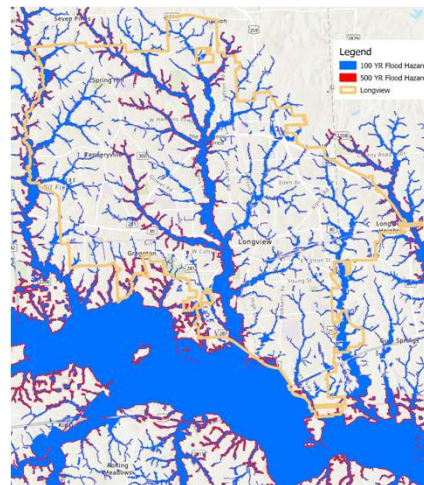
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Task 2B – Future Flood Hazard Conditions

Existing Flood Hazard Area



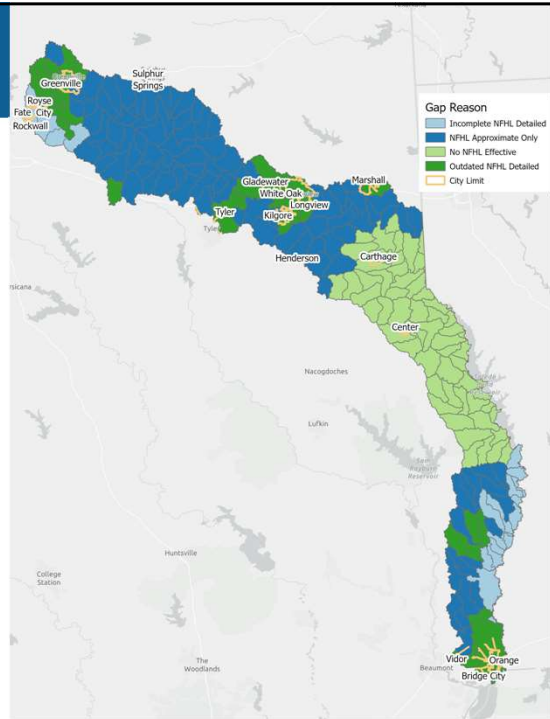
Future Flood Hazard Area



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Inadequate Mapping (Floodplain Gaps)

- All HUC12s Identified as having gaps in inundation boundary mapping
- Emphasizes need for updated flood studies
- Consistent with Neches region



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Task 2B – Future Flood Hazard Areas (Coastal)

- Without Project Future Conditions from USACE Study
 - 2050, 2080 and 2130 WP and WOP
 - Acquiring model output



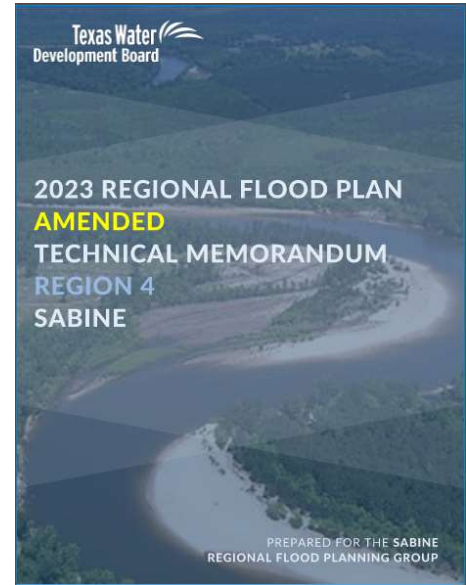
US Army Corps of Engineers®
Galveston District



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Task 4C – Extended Tech Memo Deliverable

- Map Deliverables
 - Existing 100 YR Flood Hazard Areas
 - Map of Existing 500 YR Flood Hazard Areas
 - Map of Future 100 YR Flood Hazard Areas
 - Map of Future 500 YR Flood Hazard Areas
 - Map of Existing H&H Models
- Spatial Deliverables
- Provided by FNI to SRA for posting/distribution on 2/18
- Actions for Amended Tech Memo
 - **Vote for Approval**
- Must be submitted to TWDB no later than March 7th



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Task 3A – Floodplain Management Practices

- Goal: Evaluate/recommend floodplain management practices
 1. Identify and reduce the risk and impact to life and property that already exists
 2. Avoid increasing or creating new flood risk by addressing future development within the areas known to have existing or future flood risk.
- Floodplain management, land use, infrastructure design, and other practices play a key role in accomplishing both of these intents, specifically in preventing the creation of additional flood risk in the future.
- Practices will be **Recommended not Adopted** per Sabine RFPG

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Emergency Preparedness

Type	Example Recommended Standard
Flood Awareness	All communities should create and maintain a website or webinars on public flood risk awareness.
Flood Risk Information	All communities should use of the best available precipitation data for regulatory and design criteria/standards.
Flood Response	All communities should have an emergency action plan for significant storm events. Emergency action plans should identify and account for vulnerable populations within the community. Emergency action plans should adopt procedures for evacuation and be tested yearly through "tabletop exercises".
	All communities should have a warning system to contact citizens before and during storm events.

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Flood plain Management Practices

Type	Example Recommended Standard
Minimum Regulations	All Municipalities should Adopt Minimum Requirements Outlined by FEMA for NFIP Participation.
	All Counties should Maintain Minimum Requirements for NFIP Participation.
	All Community's Floodplain Regulations Adopted should be Enforced by Entity Personnel.
Property Acquisition	All communities should adopt a property acquisition program.
	Property acquisition considered in the flood planning will conform to property acquisition and relocation for open space (44 C.F.R Part 80) requirements.
Operations & Maintenance	Entity should plan and maintain infrastructure to prevent more expensive replacement costs.

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New Construction or Redevelopment Standards

Type	Example Recommended Standard
Reactive Maintenance	Reactive maintenance strategy following complaints or damages after a storm.
Future Conditions	Communities should develop fully-development conditions.
Roadways	5-year WSE Required to be below Top of Curb and 100-year no more than 1 foot above the Top of Curb and Contained within the Right-of-Way
	Minor Roadways: Pass the 25-year and 100-year with no more than 1 foot of Overtopping Major Roadways
Culvert and Bridge Crossings	Culvert and Bridge Hydrologic & Hydraulic Analysis Requirements
	Convey 25-year flow Underground and 100-year in the Right-of-Way
	TxDOT Hydraulic Design Manual (Sep/2019) Chapter 4, Section 6 - Table 4.2: Recommended Design Standards for Various Drainage Facilities.

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New Construction or Redevelopment Standards

Type	Example Recommended Standard
Private Storm Drainage Systems (New Site Development)	TxDOT Hydraulic Design Manual (Sep/2019) Chapter 10
Detention	Compensatory Storage Requirement in 1% Floodplain
	Detain Proposed Condition Peak Discharge for <u>at least</u> the 25-year and 100-year below or equal to the Existing Condition Peak Discharge
Habitable Structures	Finished Floor Elevations 1 foot above the Highest Elevation of either the Riverine 500-year or Coastal 100-year WSE including the Combined Riverine and Coastal Effects.
	Finished Floor Elevations 1 foot above the Riverine 500-year WSE. (Non-Coastal Communities)

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New Construction or Redevelopment Standards

Type	Example Recommended Standard
Critical Facilities	Finished Floor Elevations 2 foot above the Highest Elevation of either the Riverine 500-year or Coastal 100-year WSE including the Combined Riverine and Coastal Effects
Mapping Coverage	Developers Building in a Zone A or Unmapped Areas must provide a Hydrologic and Hydraulic Study establishing BFE and demonstrate No Adverse Impacts Downstream.
Dams	Dams greater than 6 feet in height as well as other requirements based on hazard and size meet minimum TCEQ standards
Levees	Earthen Embankments and Floodwalls Compliant with FEMA 44 CFR 65.10
Nature-Based Solution	All New Construction should Consider Nature-Based Solutions.

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RFPG Action Items

JANUARY

- Submit Tech Memo (4C)
- Discuss Existing and Future Flood Hazard Areas

FEBRUARY

- Approve Amended Tech Memo (4C)
- Comment on Floodplain Standards (3A)

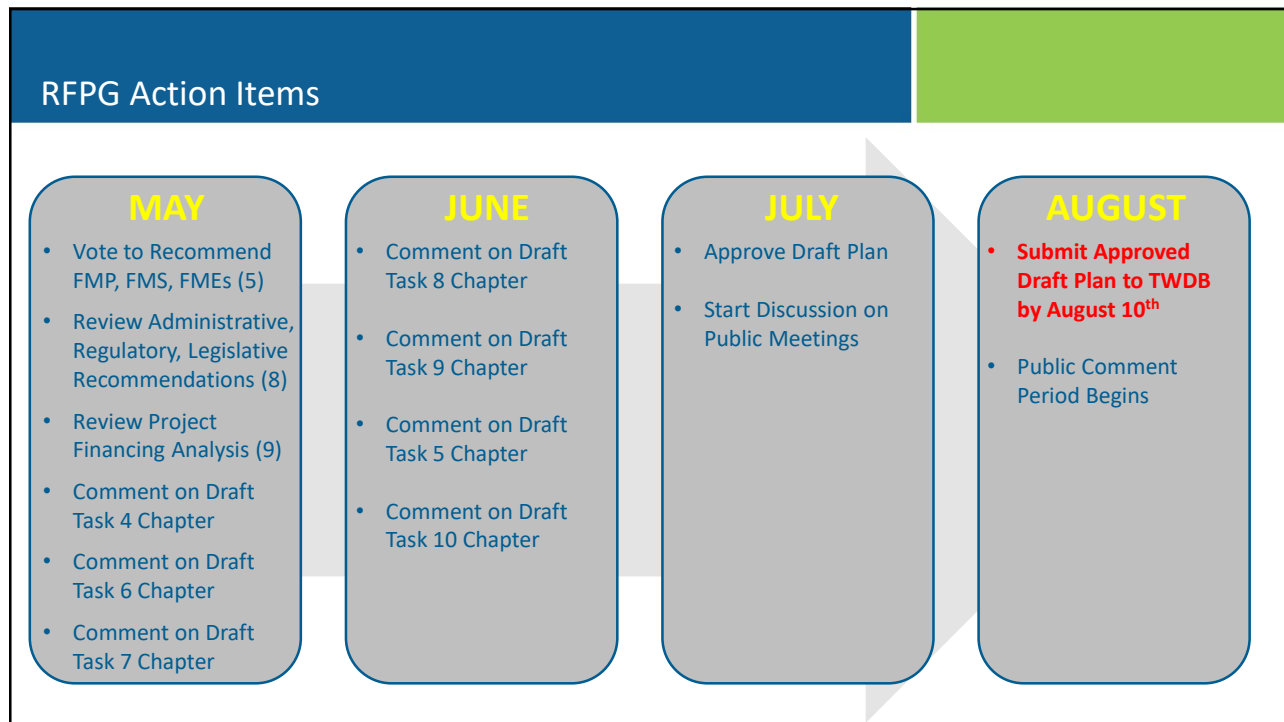
MARCH

- **Submit Amended Tech Memo (Task 4C) by March 7th to TWDB**
- Agree upon Floodplain Standards (3A)
- Comment on Draft Task 1 Chapter

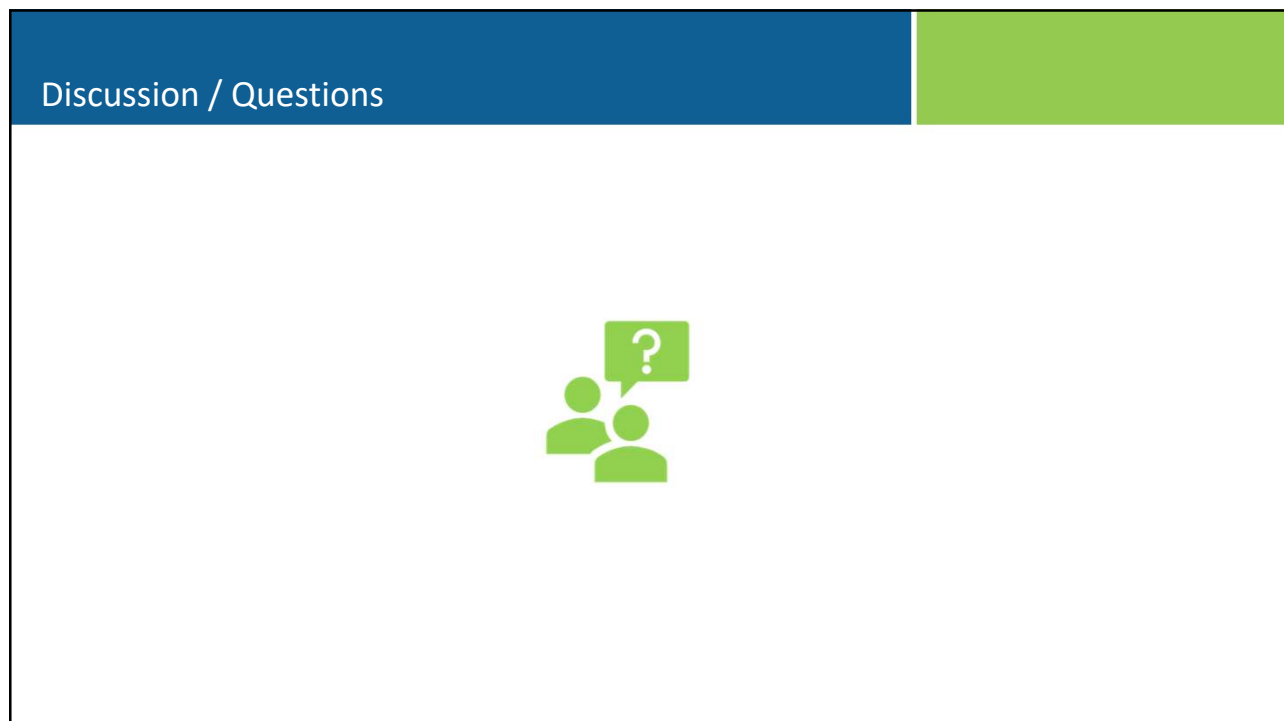
APRIL

- Review FMP, FMS, FME Scoring (5)
- Review Water Supply Impact (6)
- Review Flood Response Information (7)
- Comment on Draft Task 2 Chapter
- Comment on Draft Task 3 Chapter

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**AGENDA ITEM 10: CONSIDER DATE AND AGENDA
ITEMS FOR NEXT MEETING.**

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

RECOMMENDED ACTION

Date: _____ Time: _____

AGENDA ITEM 11: ADJOURNMENT

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

There being no other business, Chair Trahan will adjourn the meeting.

TIME: _____

RECOMMENDED ACTION

MOTION: _____ SECOND: _____ APPROVED: _____