

Sabine Regional Flood Planning Group Meeting
Sabine River Authority Main Office, Orange TX
April 26, 2022
1:00 PM

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

April 26, 2022 – 1:00 PM

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 March 23, 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 from FNI.
 - Review FMP, FMS, FME Scoring,
 - Review Water Supply Impact,
 - Review Flood response Information,
 - Comment on Draft Task 2 Chapter,
 - Comment on Draft Task 3 Chapter.

Presenter: Mat Leclair

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 March 23, 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 – March 2022
RECORDED BY: Mat Leclair, PE, CFM, CPESC
DATE: March 23, 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	
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	x
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	x
Manuel Martinez	Texas Department of Agriculture	x
Andrea Sanders	Texas Division of Emergency Management	
Robert (Bob) Baker	Texas Parks and Wildlife	x
Trey Watson	Texas State Soil and Water Conservation Board	
Ryke Moore	Texas Water Development Board	x

Other Meeting Attendees:

Mat Leclair (FNI)

Mike Reedy (FNI)

Susana Cabrera (FNI)

Jim Brown (SRA)

Jamie East (SRA)

Doug Manning (OCDD)

Reem Zoun (TWDB)

Lisa McKraken

John Grounds (LJA)

Agenda Item 1: Call to Order

- Travis Williams called the meeting called to order at 9:02 am.

Agenda Item 2: Roll Call

- Jeff Rogers confirmed quorum with 8 out of 12 voting members.
 - o Later during the meeting, other additional voting members joined increasing the number of voting members to 11 out of 12.

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

- Travis Williams 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 February 23, 2022.

- **Clyde McKee motions to adopt as presented. James (Bill) Bruce seconds. Motion passes.**

Agenda Item 6: Updates from Chairman

- Travis Williams provided info in the packet regarding the finances for the Sabine Regional Flood Plan thus far.
- Travis Williams noted the additional \$569,000 which was the additional funds TWDB allocated to SRA. David Montaigne executed that document after the last meeting and SRA is working to execute the agreement with FNI.
- On March 2nd there was a chairs conference call with TWDB.
 - o Groups seem to be around the same spot.
 - o Also had an FME/S/P discussion

Agenda Item 7: Update from the Texas Water Development Board

- Ryke Moore notes to please submit the subcontract amendment as well. Email was sent on March 15th.
- TWDB did find the March deliverables administratively complete. Formal comments will be back by May.
- Next big item is voting on the FME / FMS / FMPs

Agenda Item 8: Region 5. Neches RFPG Report.

- Douglas Manning attended last month's meeting and will attend their meeting tomorrow.

- They are in the same spot as the Sabine and are consistent in their goals rankings as other regions.
- Doug Manning will begin to generate a report from the Neches Region's meeting.

Agenda Item 9: Update from Freese and Nichols

- Mat Leclair (FNI) presented on the following topics:
 - o Task 3A (Floodplain Management Goals)
 - A reminder to everyone was made noting the goals were going to be recommended but entities are not forced to adopt the goals.
 - Mat Leclair mentioned the goals were revised and adjusted based on comments from the RFPG meeting in February 2022.
 - FNI will replace the word "require" to "consider" regarding compensatory detention storage for fill placed in the floodplain.
 - FNI will change the coastal habitable structure goal to read, "RFPG recommends all habitable structures in coastal communities are designed such that the finished floor elevations are 2 feet above the BFE or more where practicable for new construction and should consider combined riverine and coastal effects."
 - o Task 4A (Flood Mitigation Need Analysis)
 - FNI noted the 4A Mitigation Needs Analysis is a high level tool which highlights and identifies areas in the overall Sabine River Basin which have a large need for flood mitigation.
 - The analysis is currently based on a small scale HUC12 level to better identify smaller areas which may have a more isolated need compared to other areas in the same county.
 - o FNI will provide a summary memo of the Task 4A Analysis to the RFPG group for review and comment.
 - o FNI will also provide a summary of the items which constitute a determination of No Adverse Impact (also known as No Negative Impact).

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

- Travis Williams proposed the next meeting for the Sabine RFPG to be held on Tuesday, April 26th at 1:00pm.

Agenda Item 13: Adjourn

- **Clyde McKee motions to adjourn the meeting and Michelle Falgout seconds the motion. Travis Williams ended the meeting at 11:12am.**

AGENDA ITEM 6: UPDATE FROM CHAIR.

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

Accounting:

Date	Description	Amount	Balance
4/13/2021	Initial Grant Balance		\$ 947,600.00
9/21/2021	Meeting Room Rental Center Tx	\$ (325.00)	\$ 947,275.00
12/2/2021	FNI Invoice #1 (May 2021-Oct 2021)	\$ (189,476.02)	\$ 757,798.98
2/17/2021	FNI Invoice #2 (Sep 2021-Dec 2021)	\$ (168,886.58)	\$ 588,912.40
2/27/2022	Contract Amendment	\$ 569,600.00	\$ 1,158,512.40

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.**

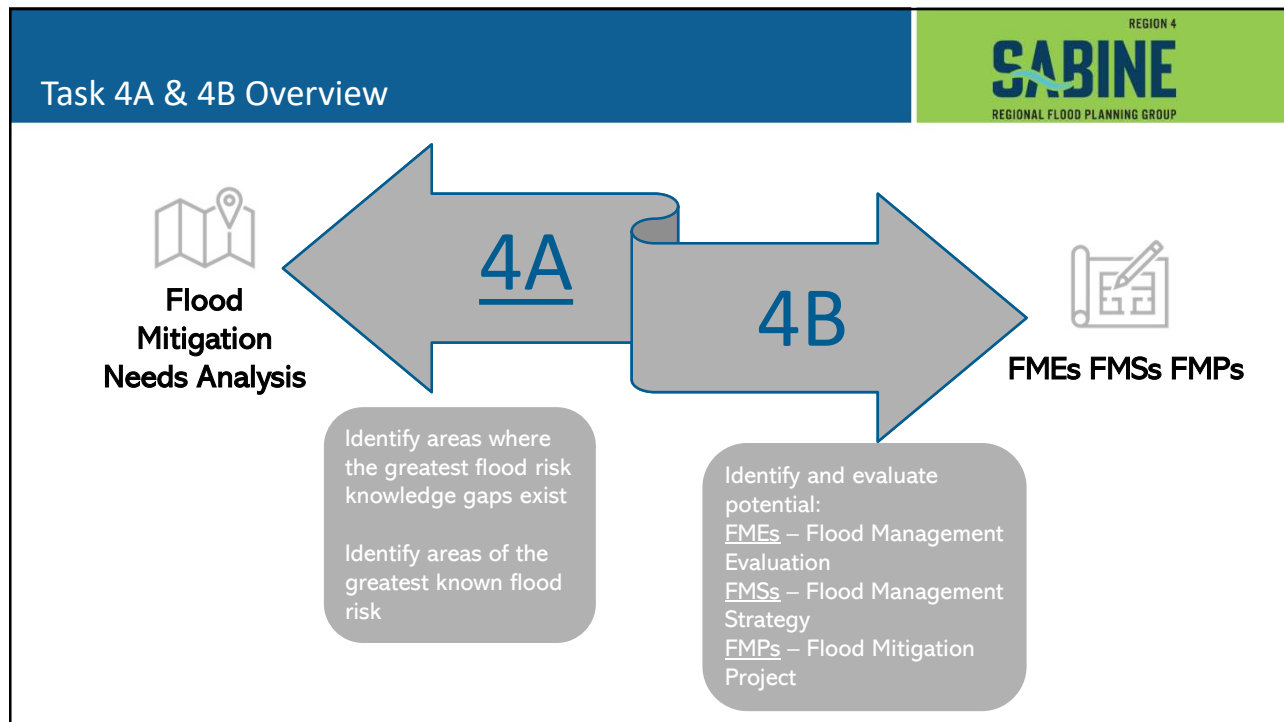
PRESENTED BY: MAT LECLAIR, MIKE REEDY

SUPPORTING INFORMATION

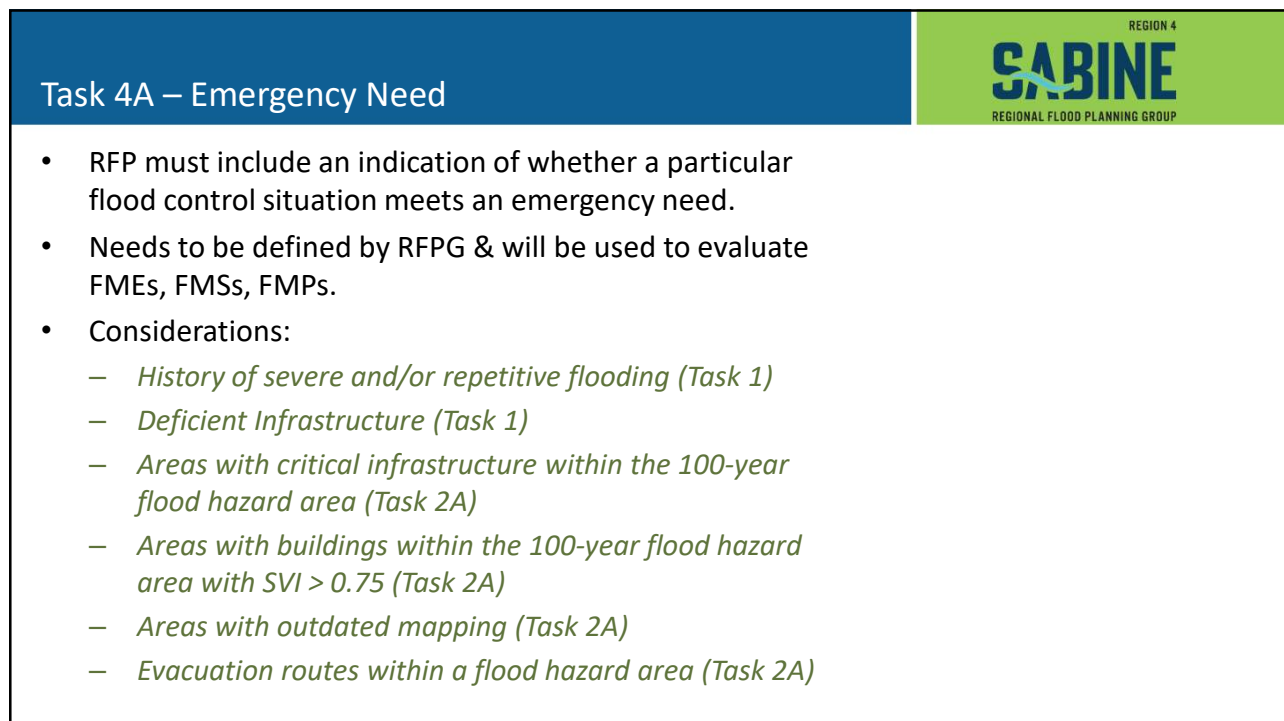
- Presentation from FNI
 - Review FMP, FMS, FME Scoring,
 - Review Water Supply Impact,
 - Review Flood response Information,
 - Comment on Draft Task 2 Chapter,
 - Comment on Draft Task 3 Chapter.

RECOMMENDED ACTION

No Action Required.



3



4

Task 4B – Analysis Components



- Continued coordination with stakeholders in the region to obtain necessary information
- **Fundamental that stakeholders provide data that can be used in evaluating and identifying FMEs, FMPs, and FMSs**
- For all Flood Mitigation Actions (FMEs, FMPs, and FMSs):
 - Compile **Project Information** including **Flood Exposure Data**
 - Develop planning-level **Cost Estimates**
 - Identify a **Project Sponsor**
- For FMPs (and some FMSs):
 - Perform **Benefit-Cost Analysis**
 - Provide **No Negative Impact Certification**

Flood Exposure Data (100-yr Flood)

- Structures
- Population
- Critical Facilities
- Low Water Crossings
- Agricultural Areas
- Roads

5

Task 4B – Identify FMEs, FMSs, FMPs



- Identified FMEs, FMSs, and FMPs based on
 - Master Drainage Plans
 - Previous flood studies
 - Capital Improvement Projects
 - Hazard Mitigation Action Plans (HMAP)
 - FIF Applications
 - CDBG-MIT Applications
 - Additional FMEs based on Gap Analysis (Task 2A) and Needs analysis (Task 4A)

6

Task 4B – Identified FMEs



FME Type	FME Description	Number of Evaluations
Watershed Planning	Flood Mapping Updates	11
	City Master Drainage Plan	9
	Preliminary FEMA Mapping	1
	Category 1 FIF Study (County Master Drainage Plan)	7
Project Planning	Feasibility Assessments	7
	Project Design Development	11
Other	Dam Inundation Study	1
Total		47

- **Additional FME Recommendations**
 - MDP for cities that do not currently have study identified
 - Vidor, Fate, Nevada, Newton, Longview, Josephine, Kirbyville, Marshall, Scottsville
 - MDP for counties that do not currently have a study identified
 - Smith, Upshur, Sabine, San Augustine, Panola, Rains, Newton County

7

Task 4B – FMEs Cost Estimates



- Estimates developed based on past projects, FEMA blue book unit prices, and existing project estimates

FME Type	FME Description	Cost Estimate Range (Preliminary)
Flood Mapping Updates	Promotes the development and/or refinement of detailed flood risk maps to address data gaps and inadequate mapping. Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	\$8,000/sq mi
Master Drainage Plan (City)	Supports the development and analysis of hydrologic and hydraulic models to evaluate flood risk within a given jurisdiction, evaluate potential alternatives to mitigate flood risk, and develop capital improvement plans.	\$40,000/sq mi
Master Drainage Plan (County)		Rural Counties: \$3,500/sq mi Urban Counties: \$4,500/ sq mi
Regional Watershed Studies	Supports the development and analysis of hydrologic and hydraulic models to define flood risk or identify flood prone areas OR Large-scale studies that are likely to benefit multiple jurisdictions.	\$2,000/sq mi
Feasibility Assessments	Evaluation of a proposed project to determine whether implementation would be feasible OR Initial engineering assessment including conceptual design, alternative analysis	TBD ; likely use \$250,000 per project
Project Design Development		TBD ; likely use \$25,000 per project

8

Task 4B – Identified FMSs



FMS Type	FMS Description	Number of Strategy
Education & Outreach	Public Education Programs	14
Flood Measurement & Warning	Warning Systems & Gages	11
Property Acquisition	Acquiring properties through buyouts	3
Guidance & Regulations	NFIP participation, building & development codes, inspection, utility fees, interagency partnerships, etc.	10
Infrastructure	Culvert, bridge, channel improvements, elevate roadways, detention, dam inspections,	7
Other	Debris removal, LiDAR updates, Personnel Training	9
	Total	54

9

Task 4B – Current Identified FMPs



- Cow Bayou Detention (2)
- Terry Gully Detention (4)
- Cole Creek Detention Pond
- Adams Bayou Detention (4)
- Kilgore Downtown Storm Sewer Improvements
- Newton County Flood and Drainage Infrastructure
- Tiger Creek Detention Pond
- Lawrence Road Detention Pond
- Bridge City Drainage Outfall Improvement
- Bessie Heights Drainage Ditch
- Orange County Coastal Storm Risk Management (Levee)
- I-10 Feeder Road Bridges at Cole Creek
- FM 1442 Culvert Installation
- Sabine River Relief Ditch Extension and pump station
- Parker Creek Detention Pond
- North Airport Detention Pond
- Fate Culvert Improvements

10

Task 4B – FMSs Cost Estimates

REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

- Estimates developed based on past project scopes and fees and costs from HMAPs
 - Preliminary cost estimate ranges shown are per project

FMS Type	FMS Description	Cost Estimate Range (Preliminary)
Education & Outreach	Public Education Programs	\$50,000 - \$300,000
Flood Measurement & Warning	Warning Systems & Gages	\$100,000 - \$3,000,000
Property Acquisition	Acquiring properties through buyouts	\$500,000 - \$2,000,000
Guidance & Regulations	NFIP participation, building & development codes, inspection, utility fees, interagency partnerships, etc.	\$10,000 - \$50,000
Infrastructure	Culvert, bridge, channel improvements, elevate roadways, detention, dam inspections,	\$500,000 - \$30,000,000
Other	Debris removal, LiDAR updates	\$100,000 - \$250,000

11

FMX One Page Report Example

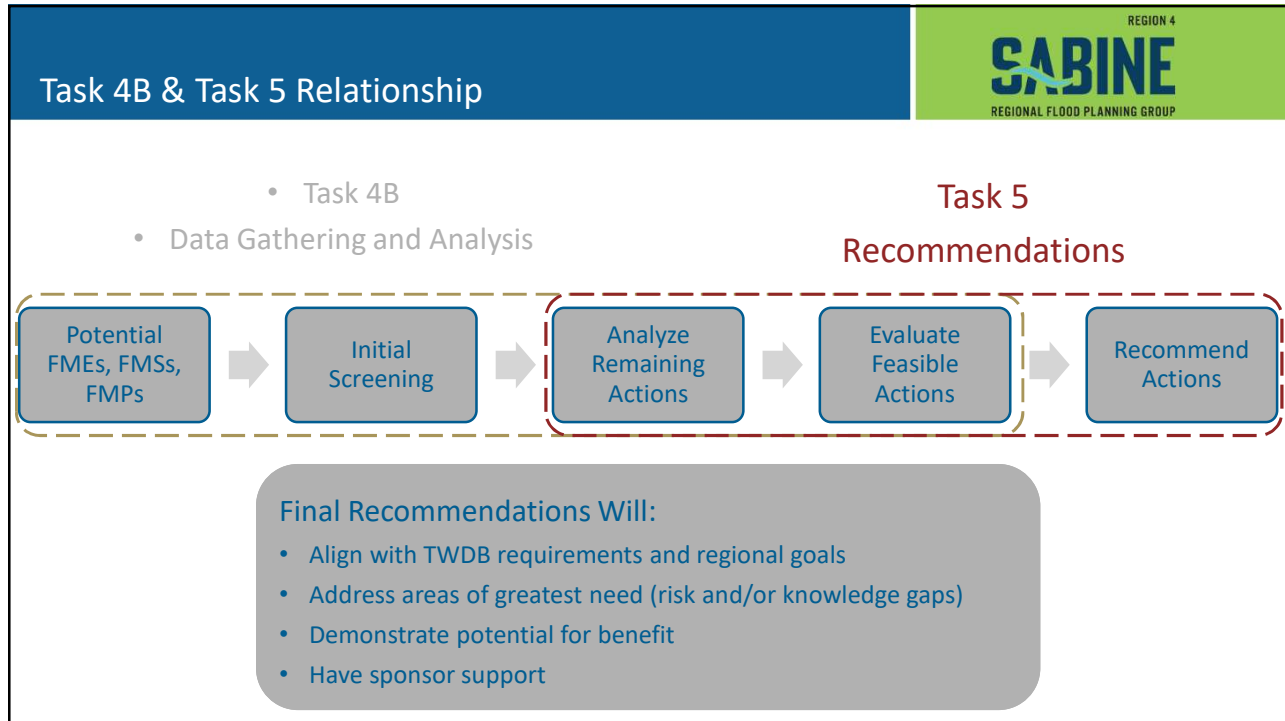
REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

- One Page reports are being created for each FME, FMP, and FMS for the Sabine region.
- Includes pertinent information about what the project/study/strategy is
 - Location
 - Description
 - Flooding type
 - Estimated cost
- Anticipating being complete with all reports by late May for review and comment prior to voting in June.

12



13

Task 6 – Impact and Contribution of RFP

- Task 6A: Impacts of the Regional Flood Plan
 - Summary of relative flood risk reduction the plan could achieve
 - Description of positive and negative socioeconomic impacts from recommended FMSs and FMPs
- Task 6B: Impacts on Water Supply and State Water Plan
 - Summarize positive and negative impacts of the flood plan on the state water plan.
 - RFPG to coordinate with RWPG.
 - Outline how all FMXs would measurably contribute to water supply if implemented

14

Task 7 – Flood Response Activities

- Summarize
 - Mitigation
 - Preparedness
 - Response
 - Recovery
- } 4 Phases of
Emergency
Management
- What does an entity do to mitigate or prepare for flooding?
 - How does an entity respond and recover from flooding?
 - Summarize parties generally involved and has been involved in past flooding events?



15

Task 8 – Administrative/Regulatory/Legislative

- Goal: Develop legislative, regulatory, administrative, and other recommendations
- Legislative recommendations which the RFPG deems necessary to facilitate floodplain management and flood mitigation planning
- Recommendations for generating revenue-raising opportunities which could fund creation/operation/maintenance of floodplain management or flood mitigation activities
- Needs to support implementation of RFP

16

Task 9 – Flood Infrastructure Financing Analysis

REGION 4

- Goal: Indicate how potential project flood risk mitigation sponsors propose to finance recommended FMPs (projects) and FMEs (studies).
- Identifying feasible programs
 - State Funding, Federal Funding, Local?
 - Estimate Local share percentage
- Identify construction-related and non-construction costs

17

Draft Chapters

REGION 4


- Anticipated timeline for Chapter delivery to SRA/RFPG for review and comment
- Major Voting Items
 - FME/FMS/FMP list (June)
 - Vote on draft RFP (July)
- RFP Draft Report due August 1st to TWDB

	4/18/2022	4/25/2022	5/2/2022	5/9/2022	5/16/2022	5/23/2022	5/30/2022	6/6/2022	6/13/2022	6/20/2022	6/27/2022	7/4/2022	7/11/2022	7/18/2022	7/25/2022	8/1/2022
Sabine RFPG MEETINGS																
Voting RFPG Meeting																
Chapter 1 - Description																
Chapter 2 - Existing/Future Flood Risk																
Chapter 3 - Goals																
Chapter 4 - Mitigation Needs/Identification																
Chapter 5 - FME / FMS / FMP																
Chapter 6 - Water Supply																
Chapter 7 - Regional Flood Plan Impacts																
Chapter 8 - Administrative/Regulatory/Legislative																
Chapter 9 - Financing																
Chapter 10 - Adoption																

- Chapter delivered to SRA/RFPG for review
- Sabine RFPG Meeting
- Sabine RFPG Meeting where voting will occur
- Discuss discussions during RFPG Meeting

18

RFPG Action Items

REGION 4


JANUARY

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

FEBUARY

- 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 Items
- Emergency Need Discussion
- Review and Comment on Draft Chapter 1

19

RFPG Action Items

REGION 4


MAY

- Comment on Draft Chapters 2 and 3
- FME/FMS/FMP Discussion

JUNE

- Vote to Recommend FMP, FMS, FMEs (Task 5)**
- Comment on Draft Chapters 6 through 8

JULY

- Vote for Draft Plan Approval**
- Start Discussion on Public Meetings
- Discuss current FMEs for more detailed analysis (Task 12) to potentially get new FMPs in Amended RFP.**

AUGUST

- Submit Approved Draft Plan to TWDB by August 1st**
- Public Comment Period Begins
 - 30 days before AND after public meeting

20

Discussion / Questions



**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 Williams will entertain a motion to adjourn the meeting.

TIME: _____

RECOMMENDED ACTION

MOTION: _____ SECOND: _____ APPROVED: _____