

**Region 5. Neches Regional
Flood Planning Group Meeting**

May 13, 2021
1:00 PM

Region 5. Neches Flood Planning Group Meeting
via Publicly Accessible Videoconference
(details below)

May 13, 2021 @ 1:00 PM

Notice is hereby given that a meeting of the Region 5. Neches Flood Planning Group will be held Thursday, May 13, 2021, at 1 p.m.; at the Lower Neches Valley Authority's administrative office located at 7850 Eastex Freeway, Beaumont, Texas 77708. The meeting will also be conducted via Zoom at: <https://us02web.zoom.us/j/85669031484?pwd=cW83Q3hrS0hnMVBpWHR4VmlMWd2dz09>

Audio ONLY may be heard at:

Telephone Conference Phone Number: +1 346 248 7799

Meeting ID: 856 6903 1484

Passcode: 879486zxklkl

AGENDA:

1. Call to Order
2. Update from Texas Water Development Board
3. Public Comment/Pre-planning Public Comment – Public input regarding suggestions and recommendations as to issues, provisions, projects, and strategies to consider during the flood planning cycle/development of the regional flood plan (as required per Texas Water Code §361.12(a)(4)).
4. Approve minutes of the January 27, 2021 and February 09, 2021 Consultant Selection Review Committee meeting and the February 11 and March 11, 2021 Region 5 Neches RFPG Meetings
5. Update on the TWDB contract
6. Presentation from US Army Corps of Engineers – Dam Operations
7. Presentation from consultant team regarding Flood Plan schedule, status, and preliminary activities.
8. Update on status on non-voting member solicitations (TxDOT, NPL, Sabine Neches Navigation District)
9. Report from Region 3. Trinity and Region 4. Sabine liaisons
10. Discussion on possible site visits/field trips
11. Confirmation of next scheduled meeting(s)
 - a. June 10, 2021 (TWCA conflict)
12. Consider possible agenda items for next meeting
13. Adjourn

If you wish to provide oral public comments at the meeting, please email Risa Barber, Information Specialist, at risa.barber@lnva.dst.tx.us no later than one (1) hour prior to the posted meeting time on the date of the meeting.

If you wish to provide written comments prior to or after the meeting, please email your comments to risa.barber@lnva.dst.tx.us and include "Region 5 Neches Flood Planning Group Meeting" in the subject line of the email.

If you choose to participate via the live webinar, you WILL have the opportunity to provide comments during the designated portion of the meeting. Please use the webinar link posted at the top of the agenda to access the meeting.

If you choose to participate via the conference call number provided, you WILL NOT have the opportunity to provide comments during the designated portion of the meeting. The conference call phone number is provided for LISTENING PURPOSES ONLY.

The Region 5 Neches Flood Planning Group will hold a public meeting via webinar pursuant to Texas Government Code, Section 551.127, as modified by the temporary suspension of various provisions in accordance with the Governor's March 13, 2020 proclamation related to the COVID-19 pandemic.

Additional information may be obtained from:

Risa Barber at: (409) 892-4011 or by email at: risa.barber@lnva.dst.tx.us

Physical location: 7850 Eastex Freeway, Beaumont, Tx 77708

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 1.0**

Meeting Date: May 13, 2021

Agenda Preface:

Call to Order

Background:

Recommendation:

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 2.0**

Meeting Date: May 13, 2021

Agenda Preface:

Update from Texas Water Development Board

Background:

Recommendation:

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 3.0**

Meeting Date: May 13, 2021

Agenda Preface:

Public Comment/Pre-planning Public Comment – Public input regarding suggestions and recommendations as to issues, provisions, projects, and strategies to consider during the flood planning cycle/development of the regional flood plan (as required per Texas Water Code §361.12(a)(4)).

Regional Flood Planning Pre-Planning Public Meeting Requirements

Pre-Planning Meeting Background

- Provide background on formation of RFPGs and the Regional Flood Planning process.
- Gather suggestions and recommendations as to issues, provisions, projects, and strategies that should be considered in development of regional flood plan.



TWDB flood outreach meeting in Bastrop, TX.

Image: TWDB

About Regional Flood Planning

- First-of-its-kind statewide flood plan
- Watershed-based planning regions
- Bottom-up approach to flood planning
- Transparent process with public input
- Volunteer members representing interest categories

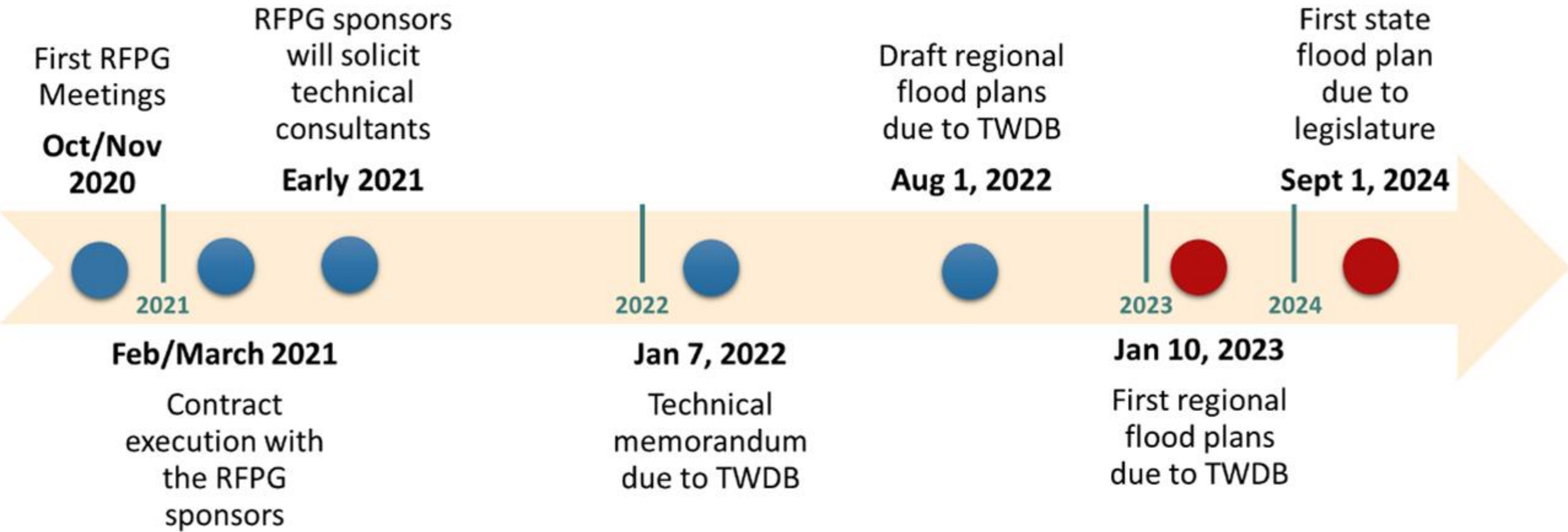


Find your RFRG Information, Meeting Schedules & Important Documents here:

<https://www.twdb.texas.gov/flood/planning/index.asp>

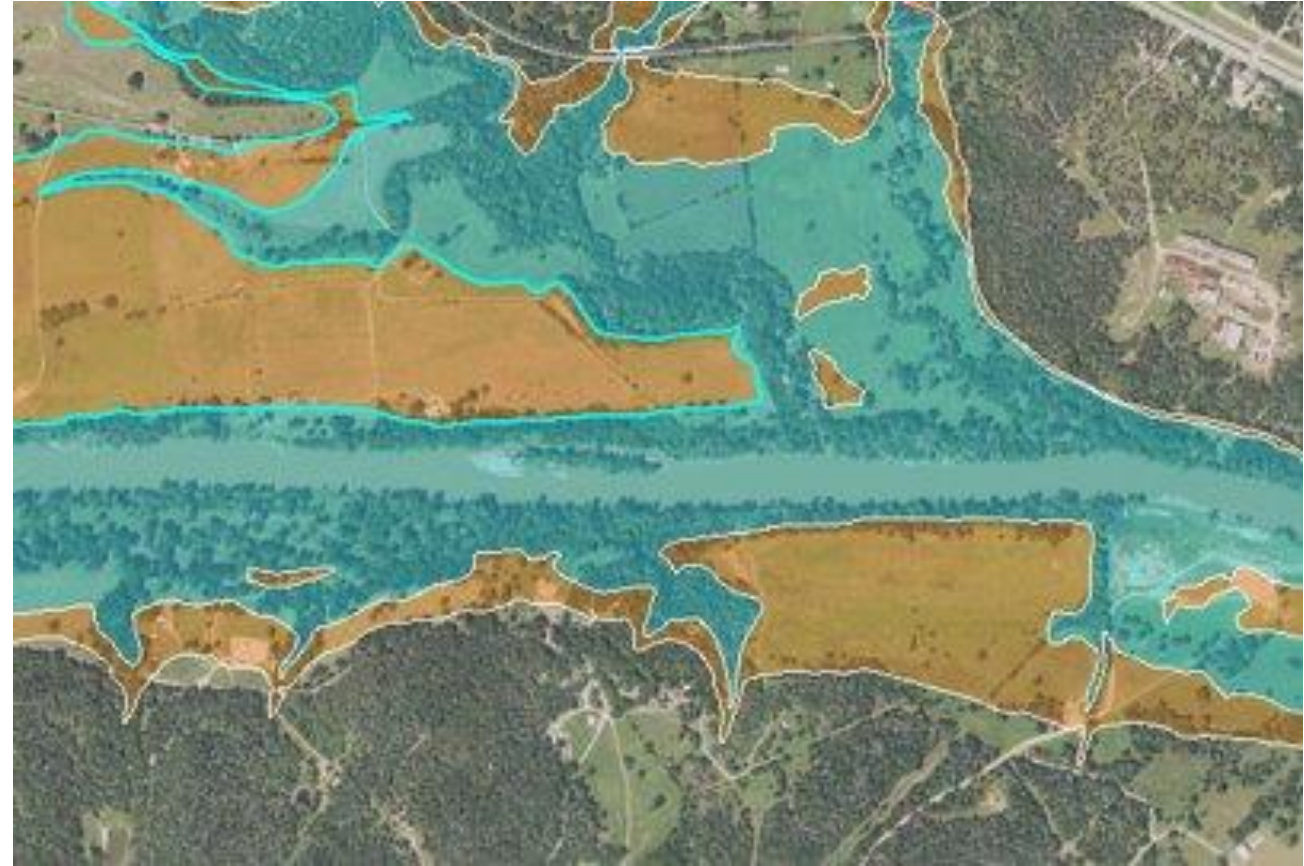
Flood Planning Timeline

SB 8 passed in 2019 requiring a statewide flood plan based on regional flood plans



Key Tasks of the RFPGs

- Gather & analyze data
- Identify existing and future flood risks
- Evaluate floodplain management practices
- Recommend evaluations, strategies, and projects to reduce flood risks
- Develop a regional flood plan



The 1% annual chance floodplain is shown in [blue](#).
The 0.2% annual chance floodplain is shown in [orange](#).
Image by FEMA

Flood Mitigation

The implementation of actions, including both **structural** and **non-structural solutions**, to reduce flood risk to protect against the loss of life and property.



Mangroves on the Texas Coast stabilize shorelines and help absorb storm surge; an example of a non-structural flood mitigation solution.

Photo by Univ. Of Texas Marine Science Institute



Galveston Seawall, a structural flood mitigation solution. Image by [Yinan Chen CC-PD](#)

Additional Opportunities for Public Input

There will be many opportunities public involvement:

- public comments are received at every RFPG meeting
- there will be at least one meeting for the public to comment on a flood risk summary map to identify any flood risk not captured
- there will be at least two public pre-planning meetings to receive feedback and gather general suggestions
- the public will get to comment on the draft regional flood plan, once developed



TWDB flood outreach meeting in Bastrop, TX.

Image: TWDB

Find your RFPG Information, Meeting Schedules & Important Documents here:

<https://www.twdb.texas.gov/flood/planning/index.asp>



Image: Brent Hanson, U.S. Geological Survey. Public domain.

Questions? Comments?

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 4.0**

Meeting Date: May 13, 2021

Agenda Preface:

Approve minutes of the January 27, 2021 and February 09, 2021 Consultant Selection
Review Committee meetings and the February 11 and March 11, 2021 Region 5 Neches RFPG
Meetings

Meeting Minutes
Region 5. Neches Regional Flood Planning Group
Consultant Selection Review Committee Meeting
Thursday, January 27, 2021
1:00 PM

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) / Absent () / Alternate Present (*)</u>
Steve Moon	<i>Industries</i>	x
John Beard, Jr.	<i>Public</i>	x
Scott Hall	<i>River authorities</i>	x
Joseph G. Majdalani (Joe)	<i>Water districts</i>	x
Robb Starr	<i>Water utilities</i>	x

Other Meeting Attendees: **

Ryan Ard, LNVA

1. AGENDA ITEM NO. 1: Call to Order

Joe Majdalani called the meeting to order at 1:12 PM. A roll call of the planning group members was taken to record attendance.

2. AGENDA ITEM NO. 2: Discussion regarding Statements of Qualification received offering professional engineering consulting services for the development of a regional flood plan.

Three firms submitted Statements of Qualification by the January 26, 2021, deadline. Subcommittee members received copies of the submissions for review prior to the meeting. Discussion amongst members included detailing the requirements set forth in Texas Government Code §2254 when procuring professional engineering services.

3. AGENDA ITEM NO. 3: Consider next meeting date/time for the Consultant Selection Review Subcommittee

February 09, 2021 at 1pm at

Drainage District 6 - 6550 Walden Road, Beaumont, Texas 77707

4. Consider possible agenda items for next meeting

The Consultant Selection Review Committee determined submitting firms would be invited to interview and present at the next scheduled Subcommittee meeting on February 09, 2021.

5. Adjourn

The meeting adjourned at 3:00 PM by Joe Madjdalani.

Approved by the Region 5 Neches RFPG at a meeting held on February 11, 2021 at 1:00 PM at a location to be determined.

Scott Hall, SECRETARY

Jeff Branick, CHAIR

Meeting Minutes
Region 5. Neches Regional Flood Planning Group
Consultant Selection Review Committee Meeting
Tuesday, February 9, 2021
1:00 PM

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) / Absent () / Alternate Present (*)</u>
Steve Moon	<i>Industries</i>	X
John Beard, Jr.	<i>Public</i>	X
Scott Hall	<i>River authorities</i>	X
Joseph G. Majdalani (Joe)	<i>Water districts</i>	X
Robb Starr	<i>Water utilities</i>	X

Other Meeting Attendees:

Ryan Ard, LNVA
Dawn Pilcher, LJA Engineering
Chad Johnson, LJA Engineering
John Grounds, LJA Engineering
Bart Standley, RPS Infrastructure
Kelly Dillard, Walter P. Moore
Andres Salazar, Walter P. Moore
Derek St. John, Gauge Engineering
Danetta Harris, K Strategies Group, LLC
Michael Cornelius, GEI Consultants, Inc.
Michael Reedy, Freese & Nichols
Jason Afinowicz, Freese & Nichols
Rolando Ayala II, Freese & Nichols
Zach Stein, HDR

1. AGENDA ITEM NO. 1: Call to Order

Joe Majdalani called the meeting to order at 1:05 PM. A roll call of the planning group members was taken to record attendance.

2. AGENDA ITEM NO. 2: Interview firms in response to Request for Qualifications related to engineering services for the Region 5. Neches RFPG received on January 26, 2021.

Three (3) firms were invited to interview. Representatives from LJA Engineering, Walter P. Moore, and Freese & Nichols attended the meeting and made presentations to the subcommittee. Each firm was given approximately 15 minutes to make a presentation, followed by a Q&A session moderated by the subcommittee members.

Interviews began at 1:09 PM and concluded at 4:35 PM. Presentations were received in order of the aforementioned firms. Following the last interview the subcommittee deliberated on the merits of each firm. The subcommittee concluded based on the statements of qualifications received and the interviews held on this date that Freese & Nichols appeared as the most qualified firm to perform the scope of work

presented in the Region 5. Neches Request for Qualifications. Discussion was had and the subcommittee agreed the recommendation to the full RFPG Group would be made as such.

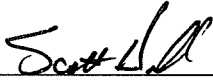
3. AGENDA ITEM NO. 3: Public comments – limit 3 minutes per person

The floor was opened for public comment; however, being no members of the public in attendance, the comment period was closed.

4. Adjourn

The meeting adjourned at 5:01 PM by Joe Madjdalani.

Approved by the Region 5 Neches RFPG at a meeting held on February 11, 2021 at 1:00 PM at the location duly posted in the meeting notice.



Scott Hall, SECRETARY

Jeff Branick, CHAIR

Meeting Minutes
Region 5. Neches Regional Flood Planning Group Meeting
Thursday, February 11, 2021
1:00 PM
ZOOM Virtual Meeting

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) / Absent () / Alternate Present (*)</u>
Brent Heironimus	<i>Agricultural interests</i>	x
Jeff Branick	<i>Counties</i>	()
Liv Haselbach	<i>Electric generating utilities</i>	x
Ellen Buchanan	<i>Environmental interests</i>	x
Phil Kelley	<i>Flood districts</i>	x
Steve Moon	<i>Industries</i>	x
Kyle Kingma	<i>Municipalities</i>	x
John Beard, Jr.	<i>Public</i>	x
Scott Hall	<i>River authorities</i>	x
Stan Mathews	<i>Small business</i>	()
Joseph G. Majdalani	<i>Water districts</i>	x
Robb Starr	<i>Water utilities</i>	x

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present(x)/Absent() / Alternate Present (*)</u>
Bregan Brown	Texas Parks and Wildlife Department	x
Natalie Johnson	Texas Division of Emergency Management	x
Manuel Martinez	Texas Department of Agriculture	x
Trey Watson	Texas State Soil and Water Conservation Board	()
Colleen Jones (Shonda Mace)	General Land Office	x
Richard Bagans	Texas Water Development Board (TWDB)	x
Jonathan Walling	Texas Commission on Environmental Quality	x

Quorum:

Quorum: **Yes**

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

Number required for quorum per current voting positions of 12: **7**

Other Meeting Attendees: **

Reem Zoun, TWDB

Ryan Ard, LNVA

Risa Barber, LNVA

Kate Osborn, LNVA

Rolando Ayala, Freese and Nichols, Inc.

Tim Buscha, Region 6 Sabine Liaison

James Bronikowski, TWDB

Kelly Dillard, Walter P. Moore

Tiffany Cartwright, Walter P. Moore

Michael Reedy, Freese and Nichols, Inc.

Zach Stein, HDR

Burton Johnson

Stephanie Castillo

**Meeting attendee names were gathered from those who entered information for joining the ZOOM meeting.

All meeting materials are available for the public at:

<http://www.twdb.texas.gov/flood/planning/regions/schedule.asp>

1. AGENDA ITEM NO. 1: Call to Order

Dr. Joe Majdalani called the meeting to order at 1:05 PM. A roll call of the planning group members was taken to record attendance, and a quorum was established.

2. AGENDA ITEM NO. 2: Approve minutes of the January 07, 2021 Region 5. Neches RFPG Meeting

The Vice Chair requested the Group review the minutes of the January 07, 2021, Region 5. Neches Regional Flood Planning Group. The Vice Chair asked for any corrections, additions or revisions. There were none.

Upon a motion by Dr. Liv Haselbach, seconded by Steve Moon and the unanimous vote of all Group members present the January 07, 2021, Region 5. Neches Regional Flood Planning Group minutes were approved.

3. AGENDA ITEM NO. 3: TWDB Update and Presentation

Richard Bagans, TWDB, presented RFPG Responsibilities: Scope of Work Overview.

4. AGENDA ITEM NO. 4: Consider recommendations from the Consultant Selection Review Committee for the Request for Statements of Qualifications received from firms offering professional engineering consulting services in conjunction with development of a regional flood plan for the Neches River Basin.

The Consultant Selection Review Committee reviewed and interviewed three (3) firms who submitted Statements of Qualifications. The committee unanimously recommended Freese & Nichols to the RFPG Board.

Upon a motion by Scott Hall and seconded by Brent Heironimus the recommendation was wholly accepted with unanimous board approval.

5. AGENDA ITEM NO. 5: Pre-Planning Public Comment – Public input regarding suggestions and recommendations as to issues, provisions, projects and strategies to consider during the flood planning cycle/development of the regional flood plan (as required per Texas Water Code §361.12(a)(4)).

The Vice Chair opened the floor and there were no participants and the item was closed.

6. AGENDA ITEM NO. 6: Report from Region 3. Trinity and Region 4. Sabine liaisons

Ellen Buchanan spoke as the Region 3. Trinity liaison and will be attending their next meeting scheduled for February 26, 2021 at 9 AM.

John Beard, Jr. has had no contact from Sabine RFPG as of yet, and will continue to monitor for their next meeting.

7. AGENDA ITEM NO. 7: Consider domain name options for Region 5 website

The item was opened with a discussion on preference for .com versus .org. Ultimately the Board chose www.NechesFloodPlanning.org as the preferred domain choice.

A motion was made by Dr. Liv Haselback and seconded by John Beard, Jr. and was passed with unanimous approval by the Board.

8. AGENDA ITEM NO. 8: Confirmation of next scheduled meeting

The next RFPG Board meeting is scheduled for March 11, 2021.

9. AGENDA ITEM NO. 9: Consider possible agenda items for next meeting

The Chair opened discussion for future Group meeting agenda items.

Dr. Liv Haselbach requested a discussion of visions and principles for the watershed,

Ellen Buchanan proposed editing the Scope of Work to ensure the technical consultant adequately addresses natural and nature-based flood mitigation projects and strategies.

10. Adjourn

The meeting adjourned at 2:07 PM by Dr. Joe Majdalani.

Approved by the Region 5 Neches RFPG at a meeting held on March 11, 2021 at 1:00 PM at a location to be determined.



Scott Hall, SECRETARY

Jeff Branick, CHAIR

Meeting Minutes
Region 5. Neches Regional Flood Planning Group Meeting
Thursday, March 11, 2021 @ 1:00 PM
ZOOM Virtual Meeting

Voting Member	Interest Category	Present(Y) / Absent(N) /Alternate Present(A)
1. Brent Heironimus	<i>Agricultural interests</i>	Y
2. Jeff Branick	<i>Counties</i>	N
3. Liv Haselbach	<i>Electric generating utilities</i>	Y
4. Ellen Buchanan	<i>Environmental interests</i>	Y
5. Phil Kelley	<i>Flood districts</i>	Y
6. Steve Moon	<i>Industries</i>	Y
7. Kyle Kingma	<i>Municipalities</i>	Y
8. John Beard, Jr.	<i>Public</i>	N
9. Scott Hall	<i>River authorities</i>	Y
10. Stan Mathews	<i>Small business</i>	N
11. Joseph G. Majdalani	<i>Water districts</i>	Y
Robb Starr	<i>Water utilities</i>	N

Non-voting Member	Agency	Present(Y) / Absent(N) /Alternate Present(A)
Bregan Brown	Texas Parks and Wildlife Department	Y
Natalie Johnson	Texas Division of Emergency Management	Y
Manuel Martinez	Texas Department of Agriculture	Y
Trey Watson	Texas State Soil and Water Conservation Board	Y
Colleen Jones	General Land Office	Y
Richard Bagans	Texas Water Development Board (TWDB)	Y
Jonathan Walling	Texas Commission on Environmental Quality	N

Quorum:

Quorum: **Yes**

Number of voting members or alternates present: **8** (*minimum 7 required for quorum*)

Other Meeting Attendees: **

Ryan Ard, LNVA	Jason Afinowicz, Freese & Nichols
Reem Zhoun, TWDB	Michael Reedy, Freese & Nichols
James Bronikowski, TWDB	Tim Buscha, Region 6. Sabine Liason
Morgan White, TWDB	

**Attendee names were gathered from those who entered information for joining the ZOOM meeting.

Meeting materials available for the public at: <http://www.twdb.texas.gov/flood/planning/regions/schedule.asp>.

1. Call to Order

Dr. Joe Majdalani called the meeting to order at 1:00 PM. A roll call of the planning group members was taken to record attendance and a quorum was established after a momentary delay in various voting members joining the meeting via Zoom.

2. Approve minutes of the January 27, 2021 and February 09, 2021 Consultant Selection Review Committee meeting and the February 11, 2021 Region 5 Neches RFPG Meeting

Dr. Joe Majdalani solicited any corrections, additions or revisions to the minutes as presented in the meeting packet. Dr. Liv Haselbach noted a misspelling of her surname under Item 7 in the minutes of the February 11, 2021 RFPG meeting. No other modifications were requested.

Upon a motion by Liv Haselbach, seconded by Ellen Buchanan, and followed by the unanimous vote of all members present, the minutes of the January 27, 2021 and February 09, 2021 Consultant Selection Review Committee meeting and the February 11, 2021 Region 5 Neches RFPG Meeting were approved.

3. Update from Texas Water Development Board

Richard Bagans, TWDB, provided an update on the status of activities ongoing at TWDB as it relates to regional flood planning. Mr. Bagans advised the grant contracts are expected to be offered to the regional sponsors by March 31, 2021.

Mr. Bagans inquired on the status of the regional website. Scott Hall advised the Region 5. Neches website is currently available at <https://NechesFloodPlanning.org>.

Mr. Bagans advised TWDB is currently working on a set of guidance documents detailing the requirements of the regional flood plans following the thirty-nine (39) guidance principles stipulated by Chapter 362 of the Texas Administrative Code. The guidance documents are expected to be out for public comments in the near future.

4. Update on status of TWDB Sponsor contract and Technical Consultant contract

Mike Reedy, Freese & Nichols, introduced himself and Jason Afinowicz, also of Freese & Nichols, who then spoke to the current position of their firm with regard to representing the Region 5. Neches RFPG.

Scott Hall advised LNVA is awaiting offer of a grant contract from TWDB in order to be able to proceed with a contract between LNVA and Freese & Nichols on behalf of the Region 5. Neches RFPG.

5. Update on status on non-voting member solicitations

Ryan Ard, LNVA, advised LNVA issued a solicitation letter to the USACE and has drafted a form letter to be sent to TxDOT and Sabine Neches Navigation District for their consideration of appointment of a representative to the Region 5. Neches RFPG. Scott Hall advised an open solicitation for a Public Lands representative would be posted on the region's website as required. Any feedback received will be reported to the RFPG.

6. Discussion of visions and principles for the watershed

The Chair opened the floor for discussions regarding visions and principles for the watershed. Dr. Liv Haselbach recommended the group emphasize focus on the use of multi-purpose solutions and reliance on "best available data" in its study and recommendations. Various discussion ensued regarding examples of multi-use applications and several members offered input in support of Dr. Haselbach's recommendations.

7. Discussion on existing 39 guidance principles stipulated by Title 31, Part 10 TAC Ch. 362 and potentially editing the Scope of Work to ensure the technical consultant addresses natural and nature-based flood mitigation projects and strategies

Dr. Joe Majdalani opened the floor to discussion. Ellen Buchanan advised after her further review of the guiding principles, modifications to the existing 39 guiding principles provided by Title 31, Pat 10 TAC Ch. 362 did not appear to be necessary. Mr. Bagans then provided a brief overview of the 39 guidance principles.

8. Consider nominating and electing a liaison(s) to Region 6. San Jacinto

Dr. Liv Haselbach voiced willingness to serve as the liaison to Region 6. San Jacinto. Upon motion by Scott Hall, a second by Ellen Buchanan and the unanimous vote of all members present, Dr. Liv Haselbach was selected as the Region 5 liaison to Region 6. San Jacinto.

9. Report from Region 3. Trinity and Region 4. Sabine liaisons

Ellen Buchanan, liaison to Region 3. Trinity, advised Region 3's meeting was cancelled due to the recent freezing weather and no update was available. John Beard Jr. was not in attendance to provide an update regarding Region 4. Sabine.

10. Confirmation of next scheduled meeting(s)

The next regularly scheduled meeting of April 8, 2021 was confirmed.

11. Consider possible agenda items for next meeting

The recommendation was made to give an update on the technical contract with the consultant if we had a signed contract from Texas Water Development Board.

12. Public Comment

Dr. Joe Majdalani opened the floor for public comment. Being no public in attendance the item was closed.

13. Adjourn

The meeting was adjourned at 2:09 PM by Dr. Joe Majdalani.

Approved by the Region 5 Neches RFGP at a meeting held on April 8, 2021 at 1:00 PM at a location to duly posted.



Scott Hall, SECRETARY

Jeff Branick, CHAIR

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 5.0**

Meeting Date: May 13, 2021

Agenda Preface:

Update on the TWDB contract

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 6.0**

Meeting Date: May 13, 2021

Agenda Preface:

Presentation from US Army Corps of Engineers – Dam Operations



US ARMY CORPS OF ENGINEERS ROLE IN WATER RESOURCES - TEXAS



Funding assistance to communities

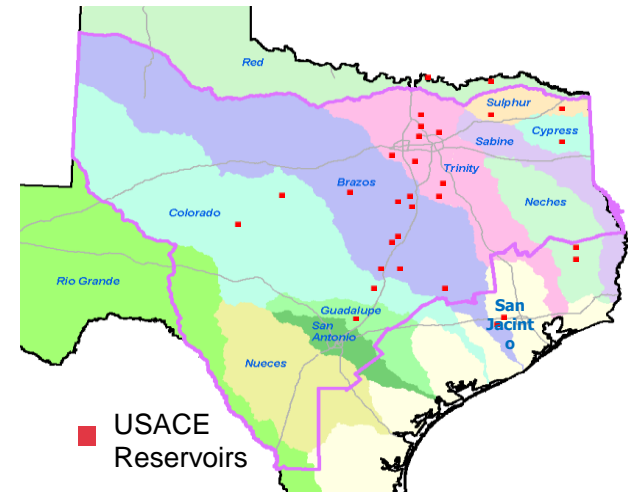
Annual Reoccurring Appropriations (see your RFPG representative)

- Continuing Authorities Program (CAP) , all require cost sharing, <https://www.swd.usace.army.mil/About/Directorates-Offices/Programs-Directorate/Planning-Division/CAP/>
- Should meet USACE analysis and modeling standards as well as utilize USACE approved applications
- Section 14 Emergency Streambank and Shoreline Protection: < \$5M federal
- Section 103 Coastal Hurricane and Storm Damage Reduction Projects: < \$5M federal
- Section 107 Navigation Improvements Project : < \$10M federal
- Section 111 Restoration Related to Federal Navigation: < 10M federal
- Section 204 Regional Sediment Management < \$10M federal
- Section 205 Flood Protection Projects; <\$10M federal;
- Section 206 & 1135 Aquatic Ecosystems and Environmental Restoration Projects (non-USACE and USACE areas): < \$10M federal
- Section 208 Channel Clearing for Flood Reduction; <\$500k federal;
- Planning Assistance to States (PAS) – funding for a broad range of studies from flooding to water availability (cost sharing)
- Flood Plain Management Services (FPMS) – assists communities with floodplain related studies (cost share or reimbursable)
- Silver Jackets – Federal, state and local collaboration for flood risk reduction

Programs Requiring Specific Authorizations & Appropriations

<https://www.usace.army.mil/Missions/Civil-Works/Project-Planning/WRRDA-7001-Proposals/>

- General Investigation Feasibility studies – larger scale construction projects or watershed programs to help communities solve water resource problems (50/50 or 75/25 cost share); study authorization is provided by Congressional resolutions and funding is provided in an appropriations bill.
- Should meet USACE analysis and modeling standards as well as utilize USACE approved applications



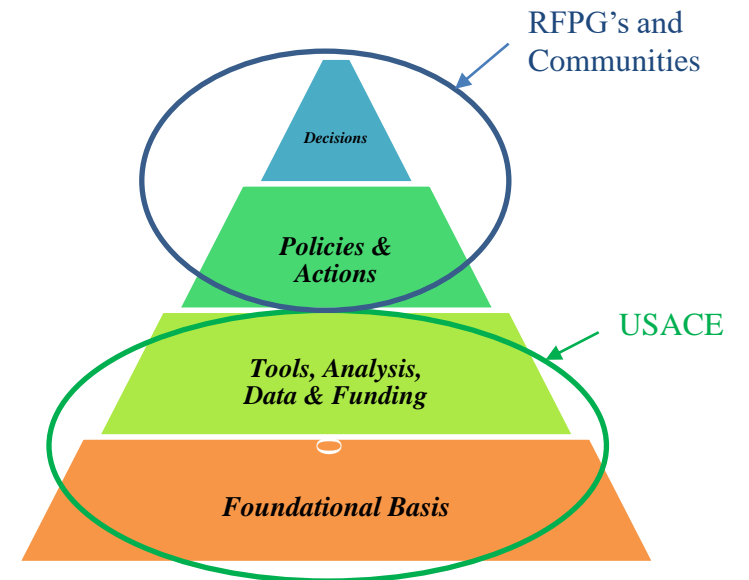
US Army Corps of Engineers (USACE) Dam Operations (Max Strickler)

- Operates 29 multipurpose reservoirs (flood risk management, water supply, environmental, recreation)
- Reservoirs establish and maintain river conditions in 7 river systems (\$100B+ damages prevented)
- Funding partner for the network of stream and precipitation gages across the state

Historical - Designed and constructed billions \$'s in statewide flood damage reduction projects including coastal, (CAP and feasibility authorities, see above)

Technical expertise

- National and regional resources - planners, program managers, scientist and engineers
- Standards for regional flood risk management modeling and analysis
- Industry standard applications for water resources analysis (HEC, RiverWare) & models for TX
- Real-time flood forecasting and inundation mapping (CWMS & RTS)
- Preparedness and resiliency tools and initiatives (storm shifts, FIA & LifeSim)
- Compliance programs – Section 404, Section 10, Section 408
- Interagency Flood Risk (InFRM) partner – www.InFRM.US



**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 7.0**

Meeting Date: May 13, 2021

Agenda Preface:

Presentation from consultant team regarding Flood Plan schedule, status, and preliminary activities.

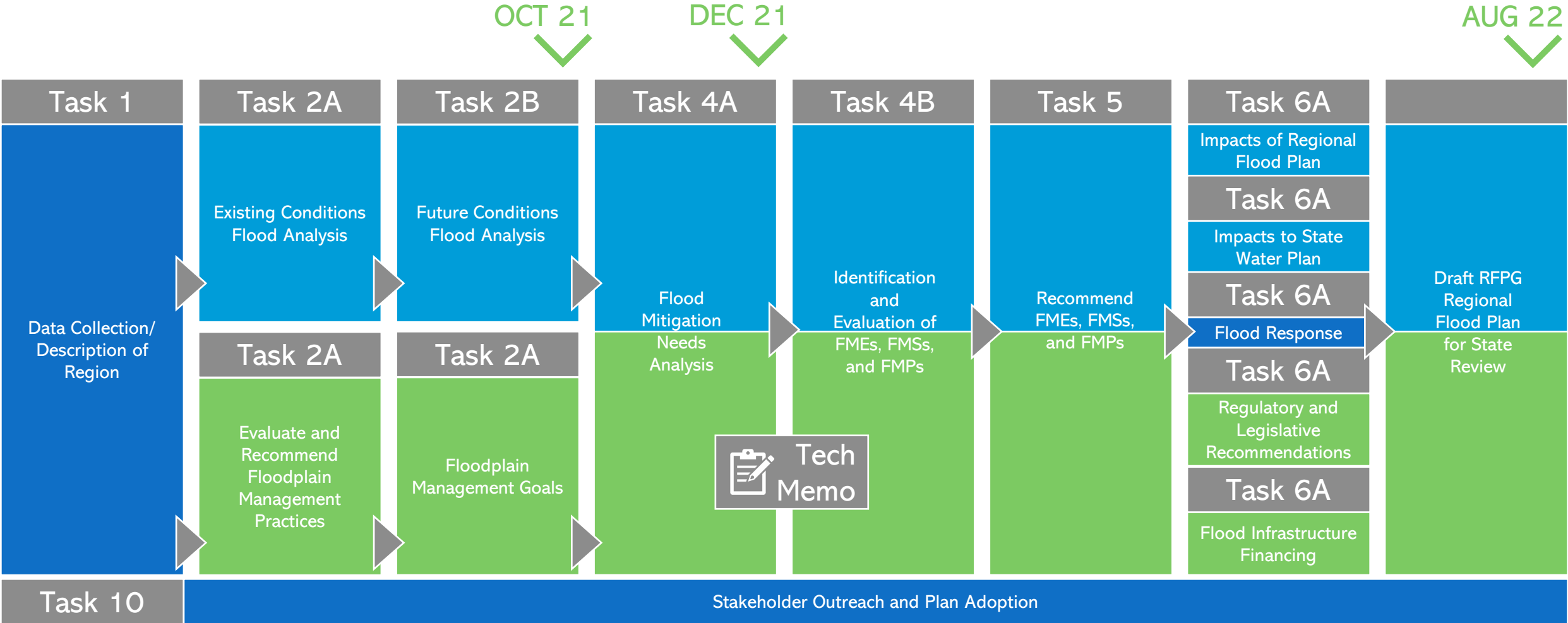


Planning Group Meeting

Neches Regional Flood
Planning Group

May 13, 2021

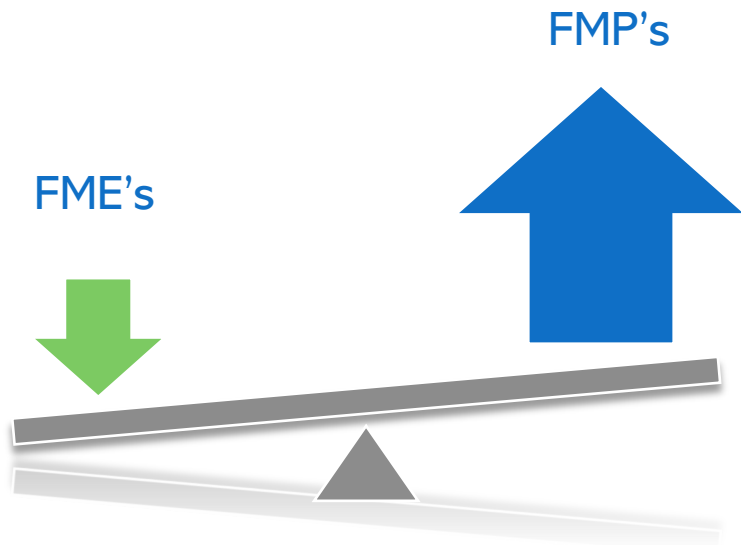
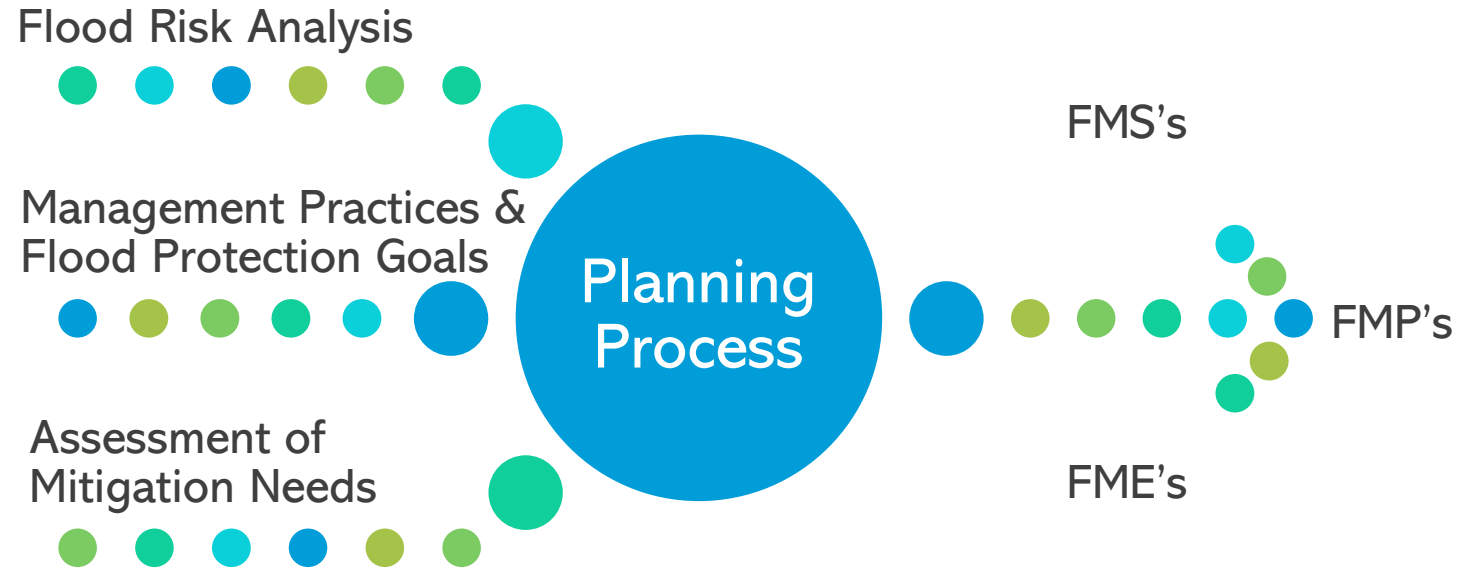
Planning Schedule



Data Collection and Outreach
 Flood Risk Analysis and Mitigation Strategies
 Flood Policy and Regulations

Leveraging Other Opportunities

- Jan. 2022: TM for Tasks 1-4 due
- Aug. 2022: Draft RFP Due
- Goal: maximize projects (FMP's) for State funding
- Opportunity: Inform and leverage GLO Study & other funding sources to potentially move FME's to FMP's



Small Window of Opportunity

To expedite, the NRFPG team needs to leverage our understanding of the process, region and other initiatives to maximize this potential

Approach to Engagement

5

Considerations

- Potential development of Technical Teams
- Proposed as a team approach between the Planning Group and Consulting Team

Data Collection and Outreach Team

- Provide personal interaction with stakeholders for collecting information
- Consider messaging to stakeholders and the public

Risk Analysis Team

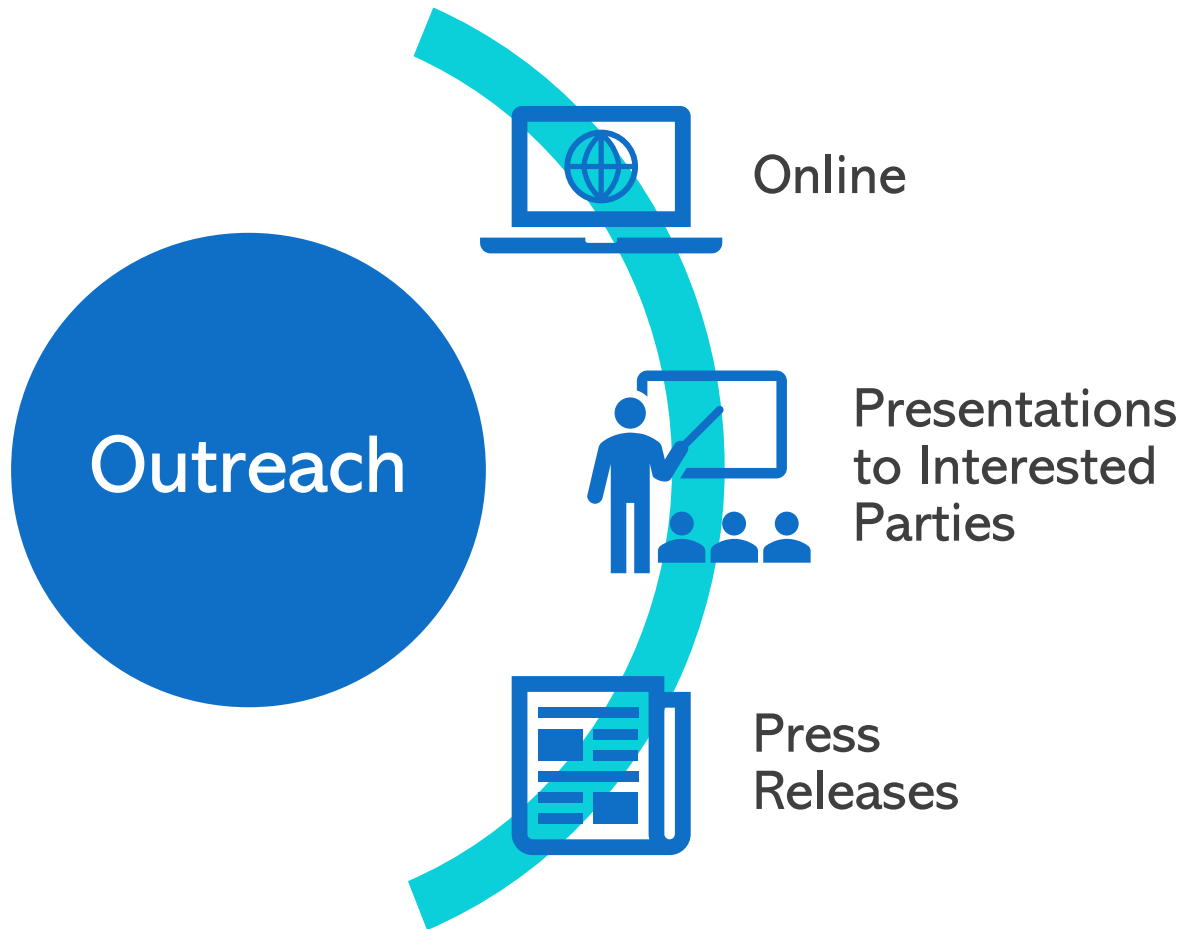
- Balance technical input of varying qualities
- Identify structural opportunities to address risk

Policy Team

- Characterize policy measures for non-structural solutions
- Inventory current and propose future practices
- Flood mitigation and flood management goals

Approach to Engagement

5



Neches RFPG Website

- Development, design, maintenance, and updates

Targeted Engagement

- In-person, virtual, and hybrid opportunities

Data Sharing and Collaboration

- Across organizations and study efforts

Surveys

- Including outreach and follow-up

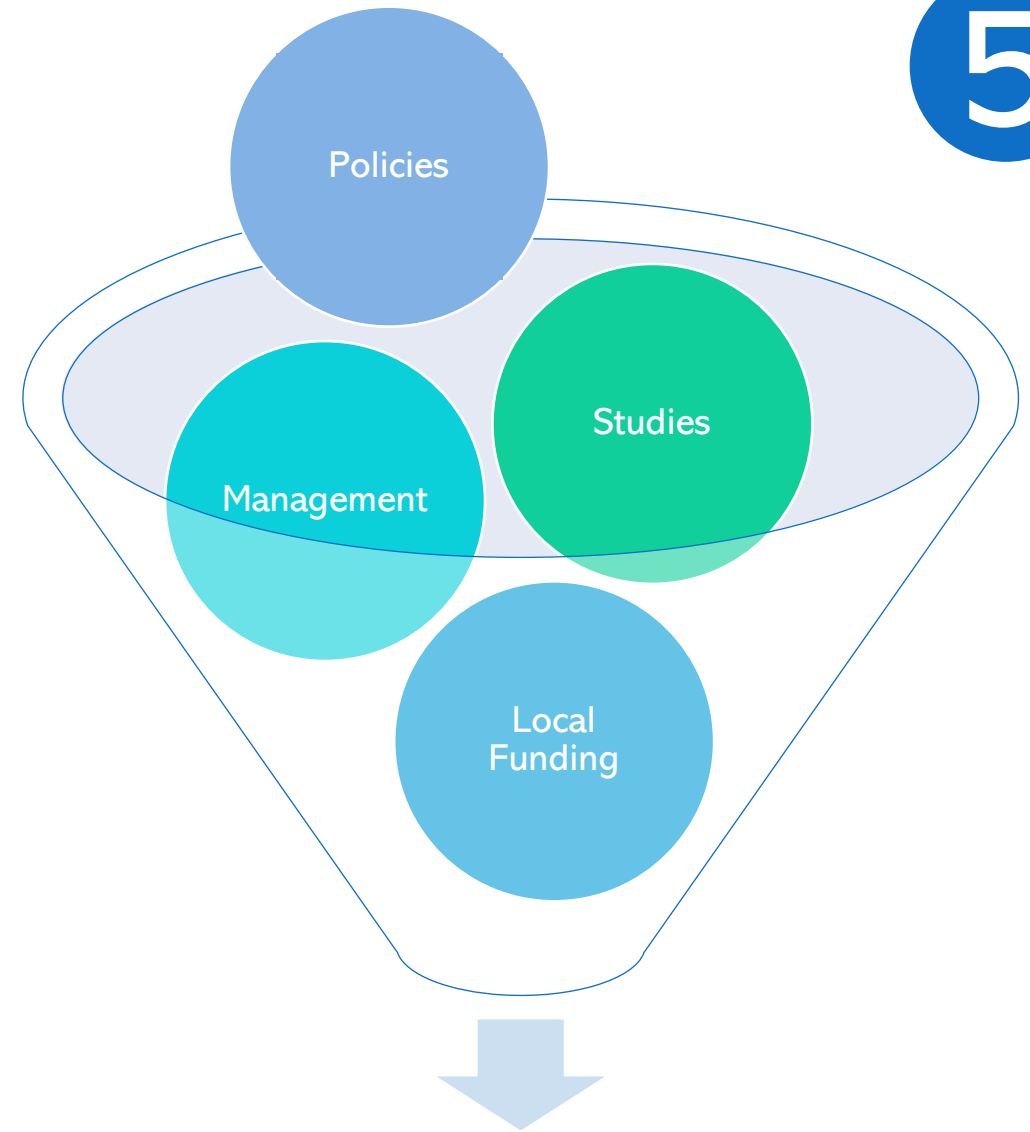
Traditional Outreach Methods

- Mail, phone calls, briefings, etc.

Approach to Engagement

5

Data
Collection



Regional Flood Plan

Discussion



**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 8.0**

Meeting Date: May 13, 2021

Agenda Preface:

Update on status on non-voting member solicitations (TxDOT, NPL, Sabine Neches Navigation District)

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 9.0**

Meeting Date: May 13, 2021

Agenda Preface:

Report from Region 3. Trinity and Region 4. Sabine liaisons

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 10.0**

Meeting Date: May 13, 2021

Agenda Preface:

Discussion on possible site visits/field trips

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 11.0**

Meeting Date: May 13, 2021

Agenda Preface:

Confirmation of next scheduled meeting(s)

- a. June 10, 2021 (TWCA conflict)

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 12.0**

Meeting Date: May 13, 2021

Agenda Preface:

Consider possible agenda items for next meeting

**Region 5. Neches Regional Flood Planning Group Meeting
Agenda Item 13.0**

Meeting Date: May 13, 2021

Agenda Preface:

Adjourn