



Working Committee Meeting


Neches Regional Flood Planning Group

September 9, 2021

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Update Overview 5

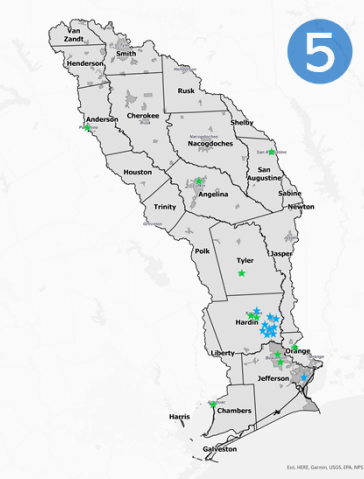
- Task 1: Survey Response and Outreach
- Task 3B: Overview and discussion of 3B goals
- Task 3B: 3B goal workshop (interactive session)
- Project Schedule Update

 Noting action and decision needed by Technical Committee

2

Survey Response Data

- 10 Stakeholder Responses
- 10 Public Responses (most from Lumberton/Silsbee area)

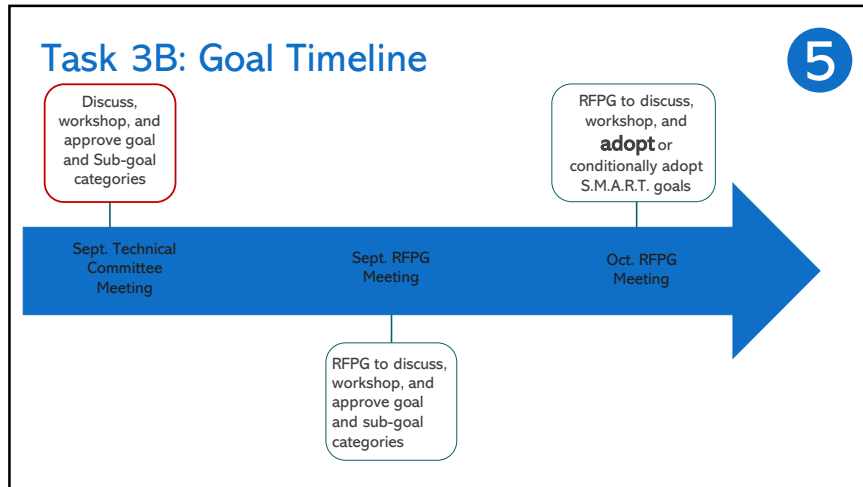


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Stakeholder Participation 5

Strategy to increase stakeholder response

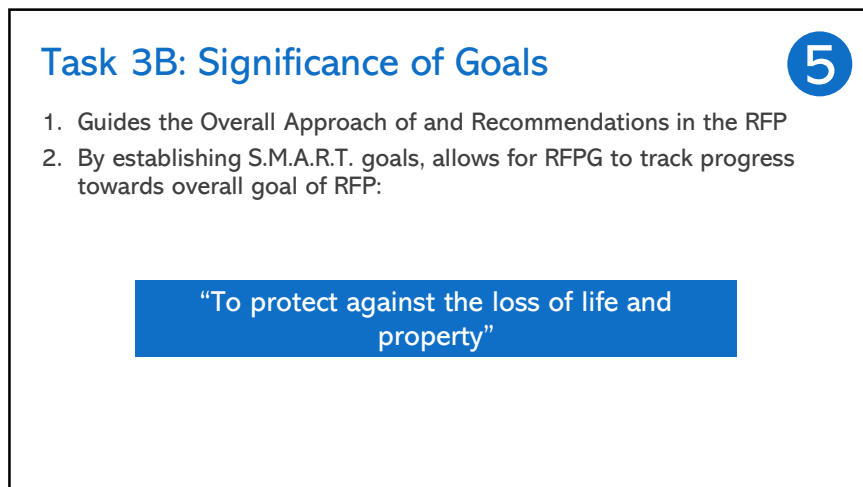
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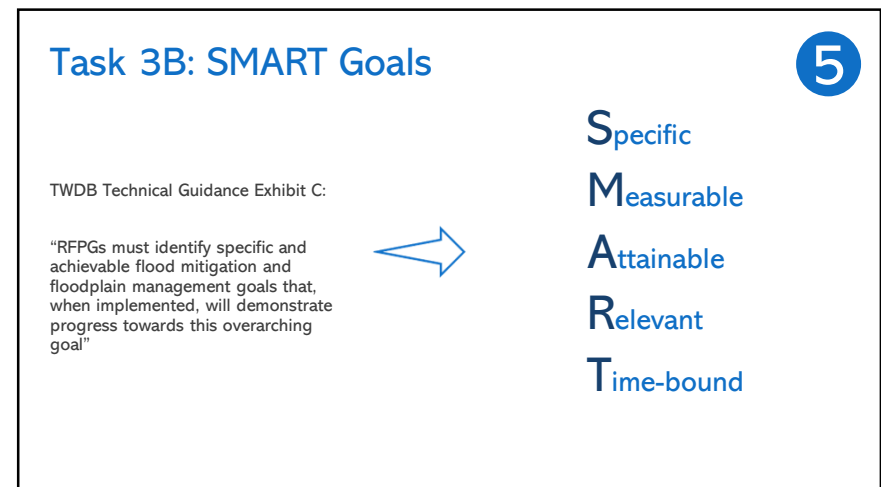
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Task 3B: TWDB Table 10

Here's what was provided as a starting point

	Short Term (10 year)	Long Term (30 year)
1.	Reduce 5-year moving average of flood-related fatalities in the flood planning region by 50% by 2033.	Eliminate the occurrence of all flood-related fatalities in the flood planning region by 2053.
2.	Reduce 5-year moving average of flood-related injuries in the flood planning region by 75% by 2033.	Eliminate the occurrence of flood-related injuries in the flood planning region by 2053.
3.	Reduce exposure of existing structures in the current 1% annual chance floodplain by elevating, acquiring, relocating, or otherwise providing flood protection to 1,000 structures by 2033.	Reduce exposure of existing structures in the current 1% annual chance floodplain by elevating, acquiring, relocating, or otherwise providing flood protection to 10,000 structures by 2053.
4.	Remove 1% annual chance floodplain from the 5% of structures in the floodplain by 2033.	Remove 1% annual chance floodplain from 20% of structures in the floodplain by 2053.
5.	Remove 10% annual chance floodplain from 15% of low water crossings in the floodplain by 2033.	Remove 10% annual chance floodplain from 50% of low water crossings in the floodplain by 2053.
6.	By 2033, increase the coverage of flood hazard data across the region by completing studies in 50% of the areas identified as having current	By 2053, have complete coverage of flood hazard data across the region by completing studies in 100% of the areas identified as having current

Goal Categories

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Task 3B: Process

S.M.A.R.T. GOALS

10

Task 3B: Goal Categories

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Task 3B: Goal and FMP Overlap

Specific
Measurable
Attainable
Relevant
Time-bound

From Exhibit C: Technical Guidance TWDB Project Ranking Criteria

- Flood Damage & Risk Reduction
- Life and Safety
- Nature-Based Solution
- Multiple Benefit (recreation, agriculture, transportation, etc.)
- Environmental Benefit & Impact
- Mobility

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Task 3B: Goal Categories

5

Discuss and Fill Gaps in Goal and Sub-Goal Categories

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Task 3B: Goal Categories

5

Protect Life Safety

Protect Property

Improve Data

Improve Policy & Regulations

Improve Flood Infrastructure

Expand Funding

Expand Education & Outreach

(Additional)



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Task 3B: Sub-Goal

5

PROTECT LIFE SAFETY

Reduce number of deaths

Reduce number of injuries

Improve emergency access and response (including mobility and access to shelter)

(Additional)



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Task 3B: Sub-Goal

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PROTECT PROPERTY

Remove floodplain structures (residential, commercial, public)

Reduce impacts to Critical Facilities (medical, schools, emergency, power generating)

Reduce impacts to economic and agricultural production

(Additional)




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Task 3B: Sub-Goal 5

IMPROVE DATA

- Identify and assess existing flood infrastructure within the Region
- Improve understanding of flood risk; Increase extent and improve detail of H&H modeling and mapping
- Develop and maintain critical infrastructure database
- (Additional)


 ACTION NEEDED

17

Task 3B: Sub-Goal 5

IMPROVE POLICY AND REGULATIONS

- Increase Community NFIP/CRS participation
- Enhance local code, drainage criteria manuals and development standards (higher standards, land use ordinances)
- Improve enforcement of floodplain management regulations
- Improve interjurisdictional coordination
- (Additional)


 ACTION NEEDED

18

Task 3B: Sub-Goal 5

IMPROVE FLOOD MITIGATION PROJECTS

- Increase sustainability and resiliency
- Incorporate use of green infrastructure /nature-based solutions
- Provide benefits to socially vulnerable and low/moderate income areas
- Provide multi-benefits to community, environmental and cultural resources
- Improve asset management, operation, and maintenance efforts
- (Additional)


 ACTION NEEDED

19

Task 3B: Sub-Goal 5

EXPAND FUNDING

- Expand eligibility for and use of funding programs (Local, State, Federal, Public/Private Partnerships)
- Increase communities with dedicated stormwater funding mechanisms
- Encourage public-private partnerships
- (Additional)


 ACTION NEEDED

20

Task 3B: Sub-Goal 5

EXPAND EDUCATION & OUTREACH

- Improve flood awareness and disaster preparedness
- Increase number of flood insurance policyholders
- Encourage individuals to purchase flood insurance
- (Additional)

 ACTION NEEDED

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Task 3B: MENIMETER – Interactive Session 5

Transfer to Mentimeter

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Task 3B: RFPG Input Method Discussion 5

How do we want to present the Goals and Sub-Goals to the RFPG and solicit their vote?

Mentimeter


General Discussion

Other Voting Method

 ACTION NEEDED


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Task 3B & 4B 5


Goals

← 3B →

→ 4B →


FMEs FMSs FMPs

To define the overarching flood mitigation and floodplain management goals

Identify and evaluate potential:
 FMEs – Flood Management Evaluation
 FMSs – Flood Management Strategy
 FMPs – Flood Mitigation Project

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Neches Regional Flood Plan (NRFP)

Flood Mitigation and Floodplain Management Goals Feedback

Objective:

This document should serve as a tool to inform readers of the concept of flood mitigation and floodplain management goals (Task 3B) within the regional flood plan and to solicit feedback for consideration in the development of goals for the NRFP. There will be opportunities for additional input into the Regional Flood Planning process, so stay tuned!

Purpose and Significance of Regional Flood Planning Goals:

The overarching goal of all regional flood plans is to protect against the loss of life and property. Identifying SMART goals (Specific, Measurable, Attainable, Relevant, and Time-bound) as part of Task 3B will allow the NRFP to track progress towards reducing flood risk to life and property in the Neches Region and guide the overall approach of and recommendations in the regional flood plan.

Requirements of Identified Goals:

- These goals should direct the focus of the plan towards the overarching goal to protect against the loss of life and property.
- The Regional Flood Planning Group shall identify specific and achievable goals that, when implemented, will demonstrate progress towards this overarching goal.
- Identified goals should be measurable to be able to track the effectiveness of the regional flood planning effort.
- Identified goals should have a duration or term associated (ie. Short term = 10-years; Long term = 30-years).
- The goals must be applicable to the entire region or at a minimum the HUC-8 Watershed level.
- The Regional Flood Planning Group must identify the residual risk corresponding to every goal. Residual risk is defined as the risk that remains in the region after the goal has been met or the constraints of the goal have been exceeded.
- Every project, evaluation, and strategy to mitigate flood risk subsequently identified in the plan must be associated with a defined goal.

Below are examples of goals based on those provided by the Texas Water Development Board (TWBD) in Exhibit C (Table 10) of the Technical Guidance. These examples **are not** draft goals and **are not** meant to serve as recommendations to the NRFP nor are these specific examples required for inclusion in the regional flood plan. The examples below are to strictly serve as a starting point to facilitate discussion and input.

	Short Term (10 year)	Long Term (30 year)
1.	Reduce 5-year moving average of flood-related fatalities in the flood planning region by 50% by 2033.	Eliminate the occurrence of all flood-related fatalities in the flood planning region by 2053.
2.	Reduce 5-year moving average of flood-related injuries in the flood planning region by 75% by 2033.	Eliminate the occurrence of flood-related injuries in the flood planning region by 2053.
3.	Reduce exposure of existing structures in the current 1% annual chance floodplain by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures by 2033.	Reduce exposure of existing structures in the current 1% annual chance floodplain by elevating, acquiring, relocating, or otherwise providing flood protection to 20% of structures by 2053.
4.	Remove existing 1% annual chance floodplain from the 5% of structures in the floodplain by 2033.	Remove existing 1% annual chance floodplain from 20% of structures in the floodplain by 2053.
5.	Remove 1% annual chance floodplain from 15% of low water crossings in the floodplain by 2033 or include flood safety.	Remove 1% annual chance floodplain from 50% of low water crossings in the floodplain by 2053 or include flood safety.
6.	By 2033, increase the coverage of flood hazard data using Atlas 14 across the region by completing studies in 50% of the areas identified as having current gaps in flood mapping.	By 2053, have complete coverage of flood hazard data using Atlas 14 across the region by completing studies in 100% of the areas identified as having current gaps in flood mapping and have an ongoing, funded maintenance plan for updates.
7.	By 2033, enroll all current non-participating communities into the National Flood Insurance Program.	Maintain 100% community enrollment with no suspensions or sanctions.
8.	By 2033, 25% of all communities have adopted regulations/ordinances higher than NFIP-minimum standards.	By 2053, 50% of all communities have adopted regulations/ordinances higher than NFIP-minimum standards.
9.	By 2033, 50% of the communities have a documented, operational, and fully funded stormwater asset management plan and system.	By 2053, 75% of the communities have a documented, operational, and fully funded stormwater asset management plan and system.
10.	By 2033, RFPG recommends minimum stormwater infrastructure design standards applicable across the region.	
11.	By 2033, RFPGs will consider and incorporate nature-based practices in their flood risk reduction projects. (LID, Envision, FEMA Nature-Based Solutions guide)	
12.	By 2033, 50% of the region's population is part of a municipality that has a dedicated municipal drainage charge, drainage district fee, or other continuous funding mechanism.	By 2053, 90% of the region's population is part of a municipality that has a dedicated municipal drainage charge, drainage district fee, or other continuous funding mechanism.

Stakeholder Input

The Neches Regional Flood Planning Group would appreciate all feedback related to the development of Regional Flood Planning Goals. To assist in facilitating feedback, please consider the following questions and outline of goal categories:

Questions:

1. What do you want to see accomplished in the Regional Flood Plan?
2. What do you consider to be an impediment to effective floodplain management in the Neches Region? (Ex. Lack of funding, lack of consistent policies/regulations, lack of policy enforcement, lack of staff/resources, inadequate floodplain mapping, outdated design standards, limited access to flood insurance, etc.)
3. What do you consider to be a major contributor to flood risk in the region?
4. What do you consider to be an impediment to managing flood risk to life and property? (Lack of: emergency response coordination, public communication methods, sustainable/resilient infrastructure, operation and maintenance efforts, interjurisdictional cooperation etc.)
5. Out of the list of categories below which do you see as the most important for this planning cycle?

Potential Goal Categories:

1. Protect Life Safety
2. Protect Property
3. Improve Data
4. Improve Policy and Regulations
5. Improve Flood Infrastructure
6. Expand Funding
7. Expand Education and Outreach

As mentioned, these questions and outline have been provided simply to gather input on the development of Regional Flood Planning **Goals**. There will be additional opportunities to participate in the regional flood planning effort and provide input. As a reminder, the Neches Regional Flood Planning data collection questionnaire and data collection webmap are live! Please email all other public comments to NechesRFPG@freese.com.