



Update from Consultant Team

Neches Regional Flood Planning Group

August 21, 2025

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Agenda

- Outreach Update
- Task 1
 - List of Ongoing Mitigation Projects in the Region
- Task 2B
 - Working Future Conditions Flood Hazard Approach
- Task 3A
 - Updates to Floodplain Management Practices
- Task 3B
 - Review of Flood Mitigation Needs Analysis
- Task 3C
 - Goals Progress + Updates
- Task 4A
 - Review of Process to Identify and Evaluation Potentials
FMXs



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Outreach Update

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Stakeholder Outreach - Completed

- Contact list was updated following the original email blast and a new email blast sent 7/28/25 with QR Code linking directly to the mapping tool
- Shanna Burke (SETRPC) forwarded the email with Flyer/QR Code to the RPC distribution list, which includes:
 - City Managers
 - Mayors
 - County Judges
 - County Representatives (Commissioners, etc.)
- Traylor & Associates hosted the ETCMA monthly luncheon/meeting on July 31, 2025 and provided handouts with QR Codes to attendees and presented basic information regarding RFP, statewide flood plan, FIF

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Stakeholder Outreach - Upcoming

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- ETCOG and DETCOG will each host a meeting/lunch for FP Admins, EMCs, Code Enforcement Officers, and others
- SETRPC may also host a meeting (dependent on responses received to email)
- Working with other CMAs to plan presentations
- Working with Judge's Associations to present during their monthly meetings
- Will send another email blast with flyer that includes the QR Code to the mapping tool once we have again updated the contact list

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Stakeholder Outreach - Ongoing

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- Project Managers will continue to encourage entities to provide information during our regularly scheduled meetings; provide flyers; follow up with emails
- As proximity to meeting location heavily influences attendance, will ask that flyers be placed with swag at future ETCMA and other meetings
- In-person meetings with communities

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Task 1 – List of Ongoing Mitigation Projects in the Region (so far)

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Ongoing Mitigation Projects - Community Protection Projects

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Grant #	Application Title	Applicant Name	Project Type	Amount	Application Progress
4485	City of Chandler WWTP Clarifier	Chandler	Equipment	\$353,800	1. Application Entry
4332	City of Vidor Acquisition of 14 Properties	Vidor	Acquisition	\$3,064,850	6. State Funding Determination
4586	City of Vidor Community Saferoom	Vidor	Community Saferoom	\$4,000,000	6. State Funding Determination
5420	City of Vidor Emergency Warning Sign	Vidor	Equipment	\$86,124	6. State Funding Determination
4485	City of Vidor Community Safe Room	Vidor	Community Saferoom	\$4,000,000	12. Assign FEMA Application Review

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Ongoing Mitigation Projects – Structural Drainage

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Grant #	Application Title	Applicant Name	Project Type	Amount	Application Progress
4586	Pine Shadow Lift Station Improvements	Silsbee	Structural Drainage	\$365,750	1. Application Entry
4485	Hardin County Lumberton MUD WTP Retrofit	Hardin County	Structural Drainage	\$3,823,400	2. Application and Plan Review, RFI
4485	Jefferson County DD6 Bayou Din Detention Basin	Jefferson County Drainage District #6	Structural Drainage	\$5,493,000	2. Application and Plan Review, RFI
4485	Jefferson County DD6 Borley Heights Relief	Jefferson County Drainage District #6	Structural Drainage	\$133,000	2. Application and Plan Review, RFI
4485	Jefferson County DD6 Channel 100A	Jefferson County Drainage District #6	Structural Drainage	\$3,368,750	2. Application and Plan Review, RFI
4485	Jefferson County DD6 Delaware Street Detention	Jefferson County Drainage District #6	Structural Drainage	\$1,331,808	2. Application and Plan Review, RFI
4485	Jefferson County DD6 Fannin Street Diversion	Jefferson County Drainage District #6	Structural Drainage	\$4,559,716.91	2. Application and Plan Review, RFI

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Ongoing Mitigation Projects – Structural Drainage

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Grant #	Application Title	Applicant Name	Project Type	Amount	Application Progress
4485	Jefferson County DD6 Virginia Street Diversion	Jefferson County Drainage District #6	Structural Drainage	\$365,750	1. Application Entry
4485	City of Silsbee Hendricks Drainage	Silsbee	Structural Drainage	\$288,250	2. Application and Plan Review; RFI
4485	City of Silsbee North I & I Reduction	Silsbee	Structural Drainage	\$8,618,633	2. Application and Plan Review; RFI
4485	City of Silsbee North WWTP Replacement	Silsbee	Structural Drainage	\$8,857,800	2. Application and Plan Review; RFI
4485	City of Silsbee South I & I Reduction	Silsbee	Structural Drainage	\$8,583,252	2. Application and Plan Review; RFI
4485	City of Silsbee South WWTP Replacement	Silsbee	Structural Drainage	\$11,032,560	2. Application and Plan Review; RFI
4485	City of Silsbee Timberlane Drainage	Silsbee	Structural Drainage	\$65,875	2. Application and Plan Review; RFI
4798	Liberty County WCID #1 Richter-Hohn Drainage Improvements	Liberty County Water Control & Improvement District #1	Structural Drainage	\$11,054,955	5. Validation Review

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Ongoing Mitigation Projects – Structural Drainage

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Grant #	Application Title	Applicant Name	Project Type	Amount	Application Progress
4586	Fresenia Lift Station Improvements	Silsbee	Structural Drainage	\$47,550	6. State Funding Determination
4586	High School Lift Station Improvements	Silsbee	Structural Drainage	\$32,200	6. State Funding Determination
4332	City of Vidor Alamo Culvert	Vidor	Structural Drainage	\$513,000	6. State Funding Determination
4332	City of Vidor Retention Pond	Vidor	Structural Drainage	\$1,843,500	6. State Funding Determination
4485	Hardin County Gore Store Rd. Drainage Improvement	Hardin County	Structural Drainage	\$437,000	12. Assign FEMA Application Review
4485	Hardin County Holland Rd. Drainage Improvements	Hardin County	Structural Drainage	\$188,000	12. Assign FEMA Application Review

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Ongoing Mitigation Projects – Structural Elevation and Retrofits

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Grant #	Application Title	Applicant Name	Project Type	Amount	Application Progress
4485	Hardin County Home Elevations	Hardin County	Structural Elevation	\$3,553,000	2. Application and Plan Review; RFI
4485	Hardin County Protective Shelter Construction for MCC Storage	Hardin County	Structural Retrofit 8	\$127,000	2. Application and Plan Review; RFI
4781	Hardin County MCC Storage Protective Shelter	Hardin County	Structural Retrofit 8	\$550,000	5. Validation Review

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Ongoing Mitigation Projects – Mitigation and Other Planning

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Grant #	Application Title	Applicant Name	Project Type	Amount	Application Progress
4586	F#116 Angelina & Neches River Authority Hazard Mitigation Plan	Angelina & Neches River Authority	Mitigation Plan	\$100,000	6. State Funding Determination
4485	Hardin County Boggy Creek Drainage Study	Hardin County	Planning Other	\$740,000	18. Send Package and Schedule Kickoff
4485	Hardin County Mill Creek Drainage Study	Hardin County	Planning Other	\$640,000	18. Send Package and Schedule Kickoff
4485	Hardin County Black Creek Drainage Study	Hardin County	Planning Other	\$1,060,000	22. Complete
4485	Jefferson County DD6 Regional Watershed Study	Jefferson County Drainage District #6	Planning Other	\$2,597,046	22. Complete

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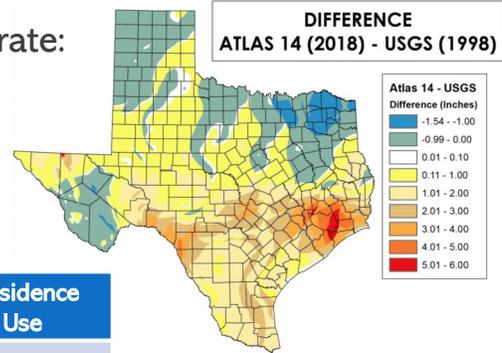
Task 2B – Future Conditions Flood Risk

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Task 2B – Future Condition Fathom Data

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- Future condition Fathom models incorporate:
 - Future climate variability rainfall patterns
 - Sea level rise
 - Subsidence
 - Land use change



Future Scenarios	Future Climate Forcing	Future Subsidence & Land Use
Scenario 1	Minimal	Yes
Scenario 2	Moderate	Yes
Scenario 3	Significant	Yes
Scenario 4	Moderate	No

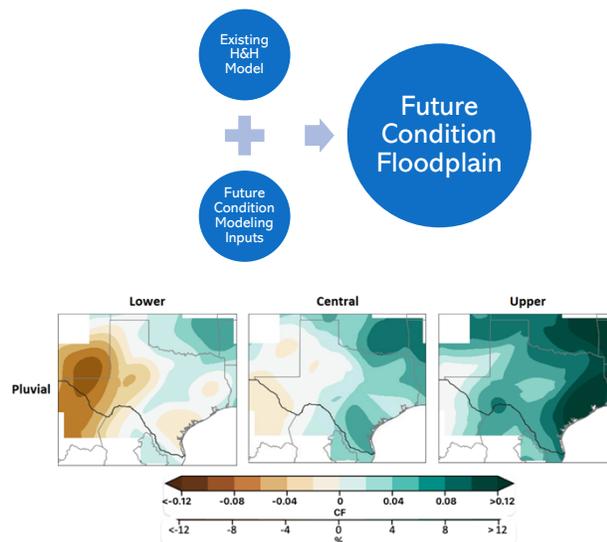
Scenario 3 represents "worst case" and is recommended by TWDB to use for analysis

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Proposed Task 2B Approach – Areas with FIF and 2D BLE Models

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- Update latest available models with future condition inputs
 - Rainfall – Scenario 3 (83rd percentile "change factor" applied for precipitation depths)
 - Sea Level Rise – Sabine Pass to Galveston Bay CSR Project
 - Interpolate to determine 2060 condition
 - No expected adjustments to land cover/land subsidence

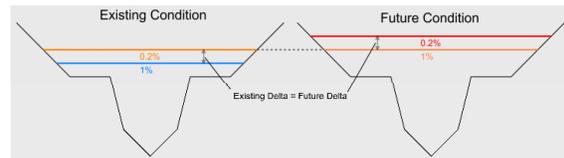
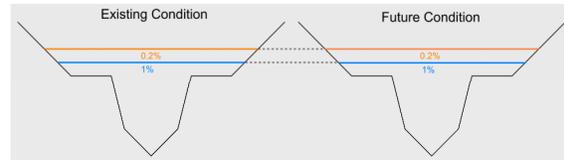


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Proposed Task 2B Approach – Areas with 1D BLE

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- Neches River DS of Sam Rayburn Reservoir:
 - Maintain extent of existing condition flood hazard layer
- Rivers with Smaller Contributing Area and Tributaries:
 - Future 10-YR approach pending
 - Use vertical buffers to generate Future 100-YR and 500-YR FPs



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Proposed Task 2B Approach – Cursory Floodplain and Additional Requirements

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- Scenario 3 Cursory Floodplain to be used as a supplementary measure
- Future FP intended to equal Existing FP at bare minimum
- Where lesser storm event floodplains exceed a greater storm event floodplain, the lesser storm event will be clipped to the greater storm event boundary

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Task 3A – Standards Updates

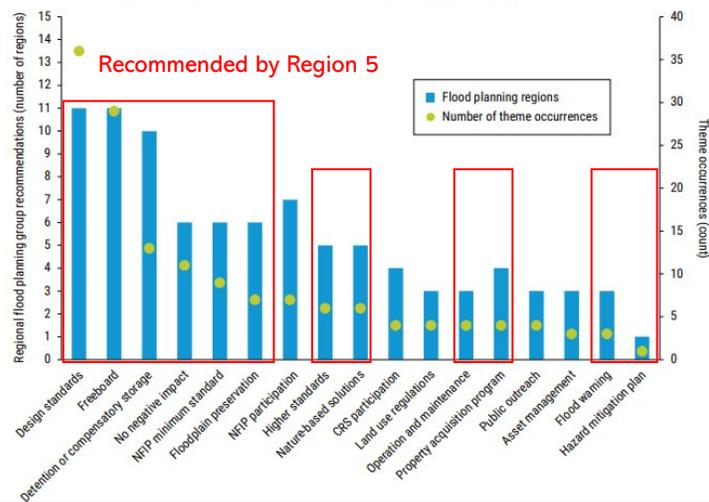
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Task 3A Cycle 1 Recap

- State Flood Plan Comparison:

Figure 5-9. Floodplain management recommendations by flood planning region



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Cycle 1 Recommended Standards

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Category	Type	Recommended Standard
Floodplain Management Practices	Minimum Regulations	All municipalities should adopt minimum requirements outlined by FEMA for NFIP participation. Where appropriate, consider adopting higher standards to provide higher levels of protection against loss of life and property due to flooding. All communities should enforce floodplain regulations.
	Property Acquisition	All communities should adopt a property acquisition program for repetitive loss structures which can be used as beneficial use area (i.e. pocket park) for the local community.
	Operations & Maintenance	Entities should create a maintenance plan for drainage infrastructure in order to prevent more expensive replacement costs. Communities should create a drainage infrastructure maintenance strategy following complaints or damages after a storm.
Emergency Preparedness	Flood Awareness	All communities should create and maintain a website or webinars on public flood risk awareness.
	Flood Risk Information	All communities should use the best available precipitation data for regulatory and design criteria/standards.
	Flood Response	All communities should have a Hazard Mitigation Plan for significant storm events. All communities should have a warning system to contact citizens before and during storm events.

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Cycle 1 Recommended Standards

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Category	Type	Recommended Standard
New Development	Roadways	Roadways designated as major thoroughfares should be designed such that the 100-year inundation extent is contained within the right-of-way and at least one navigable lane is maintained in each direction. Roadways should be designed to cause no adverse impacts up to and including the 100-year storm event.
	Culverts and Bridge Crossings	Culverts should demonstrate no adverse impact for 100-year storm event.
	Detention	Communities should require compensatory storage for all fill in the 100-year floodplain. Communities should require all new development in Zone A or unmapped areas provide a hydrologic and hydraulic study and demonstrate no adverse impacts downstream.
	Habitable Structures	All habitable structures in coastal communities should be designed such that finished floor elevations are 3 feet above the BFE including the combined riverine and coastal effects. All habitable structures in non-coastal communities are designed such that finished floor elevations are 2 feet above the riverine 100-year WSE, EXCEPT where stricter local standards apply.
	Critical Facilities	All critical facilities in coastal communities should be designed such that finished floor elevations are 2 feet above the highest elevation of either the riverine 500-year or coastal 100-year WSE including the combined riverine and coastal effects. All critical facilities in non-coastal communities should be designed such that finished floor elevations are 2 feet above the riverine 100-year WSE.
	Nature-Based Solution	All new construction should consider nature-based solutions, low impact development, or green stormwater infrastructure.

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Updates to Recommended Standards – 2nd Cycle

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Category	Type	Recommended Standards
New Development	Roadways	<p>CYCLE 1: Roadways should be designed to cause no adverse impacts up to and including the 100-year storm event.</p> <p>CYCLE 2: All roadways designed with curb and gutter should be designed such that the 5-year HGL is below the top of curb and the 100-year HGL is no more than 1 foot above the top of curb.</p>
	Culverts and Bridge Crossings	<p>CYCLE 1: Culverts should demonstrate no adverse impact for 100-year storm event.</p> <p>CYCLE 2: RFPG recommends all communities adopt the TxDOT Hydraulic Design Manual most current version; EXCEPT where stricter local standards apply.</p>
	Detention	<p>CYCLE 1: Communities should require compensatory storage for all fill in the 100-year floodplain.</p> <p>CYCLE 2: Any reduction in floodplain storage or conveyance capacity within the 1.0% or 0.2% ACE regulatory floodplain must be offset with a hydraulically equivalent (one-to-one) volume of mitigation sufficient to offset the reduction, except in areas identified as coastal flood zones. A full hydrologic and hydraulic analysis should be performed to demonstrate that floodplain fill mitigation provided is sufficient.</p> <p>CYCLE 1: Communities should require all new development in Zone A or unmapped areas provide a hydrologic and hydraulic study and demonstrate no adverse impacts downstream.</p> <p>CYCLE 2: RFPG recommends that all communities require impact analysis for all new development for the 5-year, 25-year, and 100-year storms for discharge and water surface elevation.</p>

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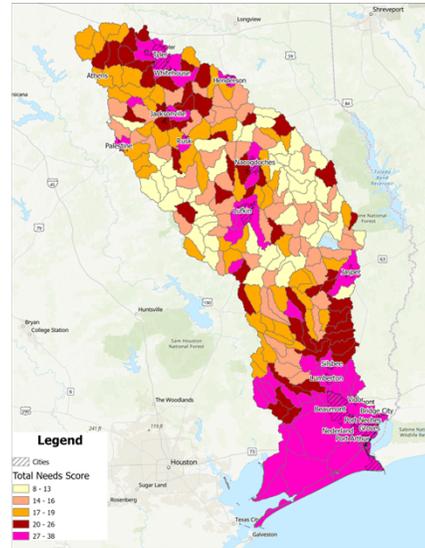
Task 3B – Needs Analysis

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Flood Mitigation Needs Analysis

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- Identify Target Areas that are...
 - Most Prone to Flooding
 - Without adequate data such that it hinders floodplain management
 - With Emergency Need
- Dependent on findings from Task 2A Existing Conditions Flood Risk Analysis



Cycle 1 Normalized Needs Analysis

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Task 3C – Flood Mitigation and Floodplain Management Goals Updates/Progress

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Task 3C – Cycle 2 Updates



Table 11 Regional flood plan flood mitigation and floodplain management goals^a

Goal ID	Goal	Goal Theme ^b	Term of Goal	Target Year	Applicable To	Residual Risk	How will the Goal be Measured	Overarching Goal(s)	Associated Goal IDs
01000001	Improve the level of service for 10% of vulnerable roadway segments and low water crossings located within the existing and future 1% annual chance floodplain. .	Roadway safety and early warning systems, Infrastructure assessment, maintenance, and rehabilitation;	Short Term (10 year)	2038	HUC 8 Watershed #			Protect against the loss of life	01000002
01000002	Increase the acreage of publicly protected natural areas by 20% for flood and ecosystem purposes to reduce future impacts of flooding.	Nature-based solutions, green infrastructure, and preservation	Long Term (30 year)	2058	Entire RFPG			Protect against the loss of life	01000001
01000003									
01000004									
01000005									
01000006									

Flood Planning Cycle	Y	FP_CYCLE	Text	Flood Planning Cycle the Goal was introduced. 2023: 2020-2023, 2028: 2023-2028	2023, 2028
Status of goal	Y	STATUS	Text	Progress made to the goal from previous cycle; Conditionally required if FP_CYCLE = '2023'	Yes, No
Percent of goal	N	PROGRESS	Short	Percent of goal achieved (whole number); Conditionally required if FP_CYCLE = '2023'	
Status description	N	STATUS_DES	Text		

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Task 3C – Cycle 1 Goals & Potential Updates



Short Term (10 year)	Long Term (30 year)
An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.	An average of 25% of the new regional infrastructure projects between 2033 – 2053 will utilize larger storm events (>100-year) as the basis of their design.
RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.	RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.	Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.	Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%.	Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.
Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.	Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.

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Short Term (10 year)	Long Term (30 year)
50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.	75% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.
Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.	Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.
Increase the number of gauges across the Neches basin to cover 50% of the region's HUC10s.	Increase the number of gauges across the Neches basin to cover 100% of the region's HUC10s.
Develop and maintain critical infrastructure database	N/A
Give notice to 100% of affected units of local government and improve 50% of Low Water Crossings, identified in the latest Regional Flood Plan, by installing warning devices.	Give notice to 100% of affected units of local government and improve 100% of Low Water Crossings, identified in the latest Regional Flood Plan, by installing warning devices.
Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 25% of Low Water Crossings identified in the latest Regional Flood Plan.	Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 80% of Low Water Crossings identified in the latest Regional Flood Plan.
100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.	Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

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Task 3C – Multiple Themes

Goal ID	Goal Theme	Goal	Term of Goal	Target Year	Applicable Measurement Method
05-20-0000000001	Multiple Themes	An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.	Short Term (10 year)	2033	Entire RFPG Number of new projects within region between 2023 – 2033 designed for larger storm events.
05-20-0000000002	Multiple Themes	An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.	Long Term (30 year)	2053	Entire RFPG Number of new projects within region between 2033 – 2053 designed for larger storm events.

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Task 3C – Multiple Themes

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Goal	Term of Goal	Measurement Method	Progress from Cycle 1 FMXs
An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.	Short Term	Number of new projects within region between 2023 – 2033 designed for larger storm events.	To be informed by Task 1
An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.	Long Term	Number of new projects within region between 2033 – 2053 designed for larger storm events.	
Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.	Short Term	Number of critical facilities removed from the 100-year flood risk inundation extent.	To be informed by Task 1 and 2A
Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.	Long Term	Number of critical facilities removed from the 100-year flood risk inundation extent.	
Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.	Short Term	Number of existing structures removed from the 100-year flood risk inundation extent.	To be informed by Task 1 and 2A
Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.	Long Term	Number of existing structures removed from the 100-year flood risk inundation extent.	

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Task 3C – Multiple Themes

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Goal	Term of Goal	Measurement Method	Progress from Cycle 1 FMXs
50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.	Short Term	Number of people within region located in the jurisdictions of entities that have continuous funding mechanisms.	To be informed by Task 1
75% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.	Long Term	Number of people within region located in the jurisdictions of entities that have continuous funding mechanisms.	
Increase the number of gauges across the Neches basin to cover 50% of the region's HUC10s.	Short Term	Number of HUC10s within region that have gauges installed within them.	To be informed by Task 1
Increase the number of gauges across the Neches basin to cover 100% of the region's HUC10s.	Long Term	Number of HUC10s within region that have gauges installed within them.	
Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 25% of Low Water Crossings identified in the latest Regional Flood Plan.	Short Term	Number of Low Water Crossings improved or removed from the number identified in the latest Regional Flood Plan.	To be informed by Task 10
Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 80% of Low Water Crossings identified in the latest Regional Flood Plan.	Long Term	Number of Low Water Crossings improved or removed from the number identified in the latest Regional Flood Plan.	

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Task 3C – Nature-based Solutions

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Goal	Term of Goal	Measurement Method	Progress from Cycle 1 FMXs
RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.	Short Term	Number of new flood risk reduction projects between 2023 - 2033 incorporating nature-based practices (LID, FEMA Nature-Based Solutions guide)	To be informed by Task 1, 4A, and 4C
RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.	Long Term	Number of new flood risk reduction projects between 2033 - 2053 incorporating nature-based practices (LID, FEMA Nature-Based Solutions guide)	

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Task 3C – Funding

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Goal	Term of Goal	Measurement Method	Progress from Cycle 1 FMXs
Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%.	Short Term	Increase in awarded funding based on total received in 2017 to be directed to the execution of flood mitigation actions.	To be informed by Task 8 and 9
Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.	Long Term	Increase in awarded funding based on total received in 2017 to be directed to the execution of flood mitigation actions.	
Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.	Short Term	Number of entities within region with dedicated funding sources for stormwater operations and maintenance	To be informed by Taks 1, 7, 8
Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.	Long Term	Number of entities within region with dedicated funding sources for stormwater operations and maintenance	

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Task 3C – Conducting Flood Risk Reduction Studies

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Goal	Term of Goal	Measurement Method	Progress from Cycle 1 FMXs
Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.	Short Term	Number of HUC10s within region, previously marked as having gaps in mapping, with detailed flood hazard studies that utilize consistent methodology.	To be informed by Task 1, 3B, 4A, 4C, 5A, and 5B
Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.	Long Term	Number of HUC10s within region, previously marked as having gaps in mapping, with detailed flood hazard studies that utilize consistent methodology.	

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Task 3C – Infrastructure Assessment + Roadway Safety/Early Warning Systems

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Goal	Term of Goal	Measurement Method	Progress from Cycle 1 FMXs
Develop and maintain critical infrastructure database	Short Term	Implementation and maintenance of database to be used by the RFPG.	To be informed by Task 1
Give notice to 100% of affected units of local government and improve 50% of Low Water Crossings, identified in the latest Regional Flood Plan, by installing warning devices.	Short Term	Number of Low Water Crossings with newly installed warning devices.	To be informed by Task 1, 8, and 10
Give notice to 100% of affected units of local government and improve 100% of Low Water Crossings, identified in the latest Regional Flood Plan, by installing warning devices.	Long Term	Number of Low Water Crossings with newly installed warning devices.	

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Task 3C – Stakeholder and Public Outreach

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Goal	Term of Goal	Measurement Method	Progress from Cycle 1 FMXs
100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.	Short Term	Number of counties with active public education and awareness campaigns.	To be informed by Task 1, 8, and 10
Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.	Short Term	Number of counties with active public education and awareness campaigns.	

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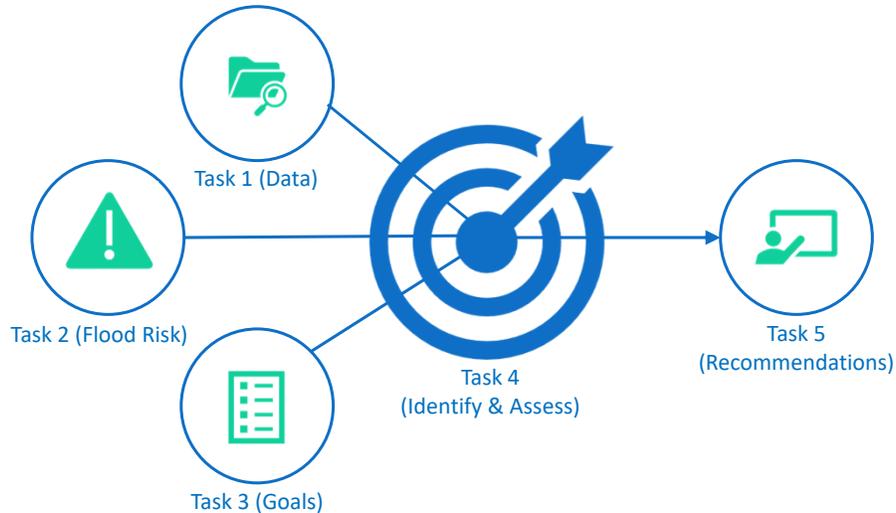
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Task 4A: Identify FME, FMS, & FMP

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Task 4A – Identify FME, FMS, & FMP

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Task 4A – Identification and Evaluation

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FME

A **proposed flood study** of a specific, flood-prone area that is needed in order to assess flood risk and/or determine whether there are potentially feasible FMSs or FMPs

FMP

A **proposed project, either structural or non-structural**, that has non-zero capital costs or other non-recurring cost and when implemented will reduce flood risk, mitigate flood hazards to life or property

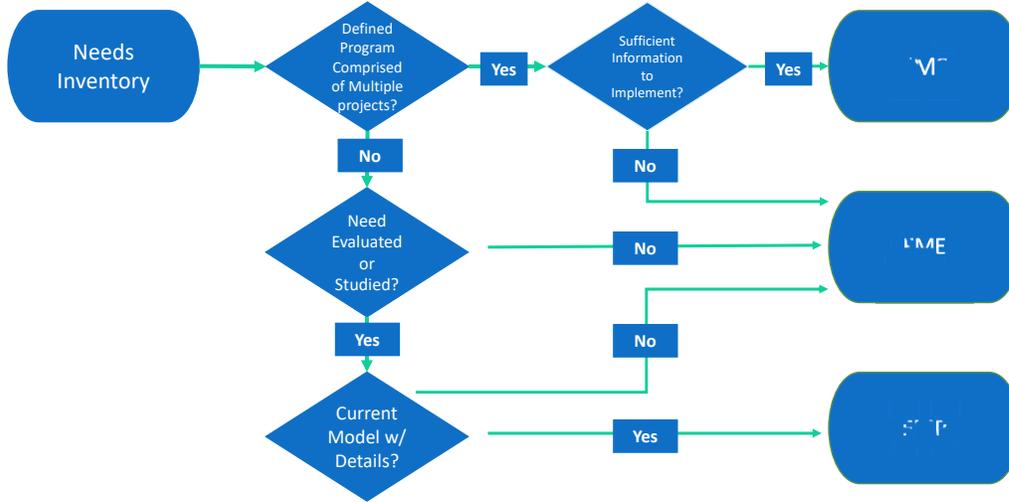
FMS

A **proposed plan** to reduce flood risk or mitigate flood hazards to life or property

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Process for Identifying FME, FMS, FMP

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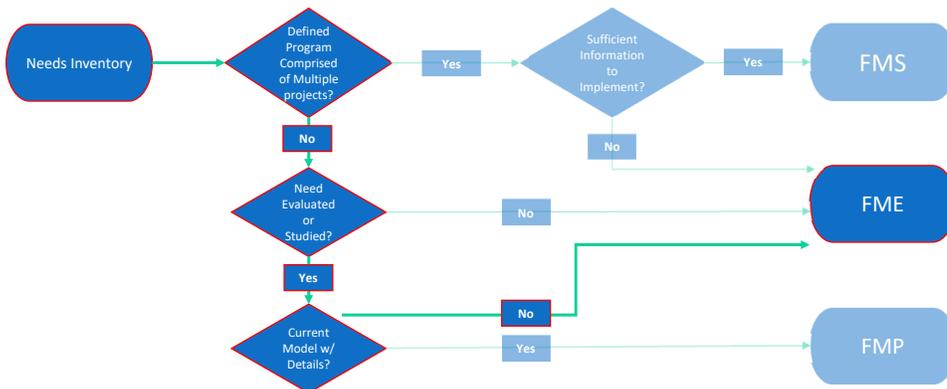


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Flood Management Evaluations Examples

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- Watershed Planning
 - H&H Modeling
 - Flood Mapping Updates
 - Regional Watershed Studies
- Engineering Project Planning
 - Feasibility Assessments
 - Preliminary Engineering (30% design)

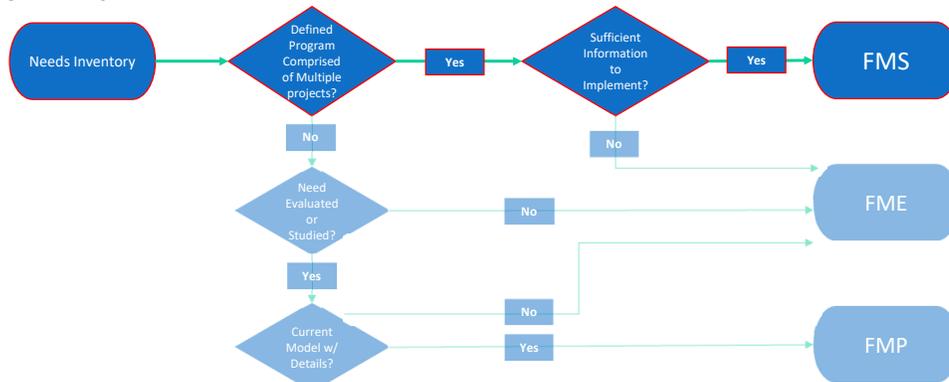


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Flood Management Strategy Examples

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- Property Acquisition and Structural Elevation
- Education and Outreach
- Flood Measurement & Warning
- Regulatory and Guidance

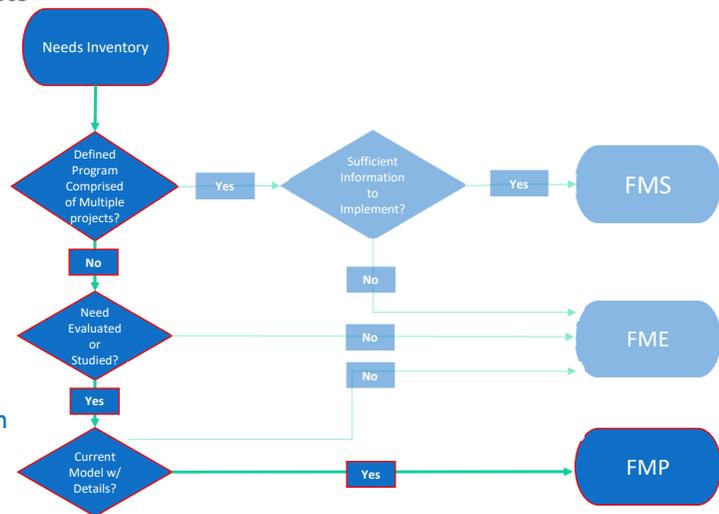


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Flood Management Project Examples

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- Structural Flood Mitigation Projects
 - Regional Detention
 - Storm Drain Improvements
 - Flood Walls/Levees
 - Nature-based Solutions
 - Wetland Restoration
 - Green Infrastructure
 - Riparian Restoration
- Non-Structural Flood Mitigation Projects
 - Flood Readiness/Resilience
 - Elevation of Individual Structures
 - Stream gage and Monitoring Station Installation



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Cycle 1 FMX Distribution (April 2025)

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FMX Type	2025 Amended FRP FMX Number	2023 Amended RFP FMX Total Cost
FME	168	\$94,263,824
FMS	157	\$194,596,318
FMP	53	\$6,618,917,319

- To be reviewed to determine if Cycle 1 FMXs have been performed
- Not a rewrite from Cycle 1 – new FMXs can be identified in Cycle 2 and appended to the existing list
- Only **a list** of potentially feasible FMXs is required for the Technical Memorandum due January 2026

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Task 4A Update Procedure

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Review the Cycle 1 FMX list to determine what FMXs have been performed



Reach out to local entities/conduct desktop analysis of available documentation (DCMs, HMAPs, etc.) to ascertain new FMXs to be appended to the existing FMX list



Formulate list of identified FMXs to be submitted in January 2026 for the Technical Memorandum



Continue to refine list of FMXs to formulate list of FMEs for Task 4C/Task 5B and list of recommended FMXs for Task 5A

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Planning Schedule

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September

- Technical Consultant to work on:
 - Task 2 – Existing Conditions and Future Conditions Flood Risk Analysis
 - Task 3A – Evaluation and Recommendation of Floodplain management practices
 - Task 3B – Flood Mitigation Needs Analysis
 - Task 3C – Flood Mitigation and Floodplain Management Goals

October

- Technical Consultant to work on:
 - Task 2 –Future Conditions Flood Risk Analysis
 - Task 3B – Flood Mitigation Needs Analysis
 - Task 4A – Identification and evaluation of potential FMXs
 - Task 4B – Preparation of Tech Memo

November

- Technical Consultant to work on:
 - Task 3B – Flood Mitigation Needs Analysis
 - Task 4A – Identification and evaluation of potential FMXs
 - Task 4B – Preparation of Tech Memo