



Project Schedule

TETRA TECH

√ November 2022 Kick-Off Meetings

✓ November – February Data Collection and Update Hazard Profiles

√ February 9, 2023 Steering Committee Meeting #2 (Goals and Objectives)

√ March 29, 2023 Risk Assessment Presentation and Identifying Mitigation Actions

✓ June 7, 2023 Mitigation actions due (County)☐ June 20, 2023 Draft Plan Presentation (virtual)

☐ June 27, 2023 Draft sections (Volume I) available for Steering Committee Review (OneDrive)

☐ July 12, 2023 All input from Steering Committee and Planning Partnership due

☐ June 28-July 12, 2023
 ☐ July 19, 2023 (tentative)
 ☐ September 2, 2023 (tentative)
 Submit Plan to TDEM
 ☐ Submit Plan to FEMA

☐ October 17, 2023 (tentative) APA

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Annex Progress



- Looking ahead...
 - Identify new mitigation actions ASAP (if you have not done so)
 - Complete action worksheets https://forms.office.com/r/skApygNAJZ
 - Tetra Tech sent out your annex last week. You have until June 23rd to make revisions before we post for public review if we do not hear from you by June 23rd, your annex will be posted as-is for public review



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Jurisdiction	Mitigation Actions	Municipal Feedback Provided?	Notes
Fort Bend County	Х		Tt to finalize annex to send to Steering Committee for review/input
Arcola (C)	Х		No input on actions received to date; Tt developed actions for the city; annex sent to City on 5/30
Beasley (C)	Х		Received actions; Tt developed additional actions to meet the two actions/hazard requirement; annex sent to City on 5/30
Fairchilds (V)	Х	X	$Received \ actions; Tt \ developed \ additional \ actions \ to \ meet \ the \ two \ actions/hazard \ requirement; annex \ sent \ to \ Village \ on \ 5/30$
Fulshear (C)	Х		Received actions; Tt developed additional actions to meet the two actions/hazard requirement; annex sent to City on 5/30
Katy (C)	Not Participating		
Kendleton (C)	Х		Annex will be sent to city on 5/30/23
Meadows Place (C)	Х	X	Received actions; Tt developed additional actions to meet the two actions/hazard requirement; annex send to City on 5/30
Missouri City (C)	Х	X	Annex will be sent to city on 5/30/23
Needville (C)	Х		Received actions; Tt developed additional actions to meet the two actions/hazard requirement; annex send to City on 5/30
Orchard (C)	Х		Received actions; Tt developed additional actions to meet the two actions/hazard requirement; annex send to City on 5/30
Pearland (C)	Not Participating		
Pleak (V)	Х	X	$Received \ actions; Tt \ developed \ additional \ actions \ to \ meet \ the \ two \ actions/hazard \ requirement; annex \ sent \ to \ Village \ on \ 5/30$
Richmond (C)	Х		Received actions; annex sent to City on 6/16
Rosenberg (C)	Х		Received actions; annex sent to City on 6/16
Simonton (C)	Х		Received actions; annex sent to City on 6/15
Stafford (C)	Tt developed actions		No input on actions received to date; Tt incorporating carried over actions; annex sent to City on 6/15
Sugar Land (C)	Х	Х	Received actions; annex sent to City on 5/30
Thompsons (C)	Tt developed actions		No input on actions received to date; Tt incorporating carried over actions; annex sent to City on 6/15
Weston Lakes (C)	Tt developed actions		No input on actions received to date; Tt incorporating carried over actions; annex sent to City on 6/15

Public and Stakeholder Outreach



- Public Outreach Toolkit
 - Social media templates and posts
 - Press release templates
 - Printable materials
- Surveys
 - Input on draft plan
 - We will provide outreach materials next week
- County HMP website
- Thank you to everyone for helping with this!



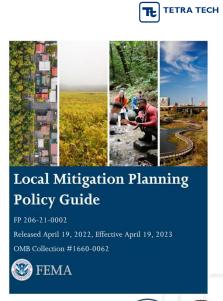




Fort Bend County Hazard Mitigation Action Plan Update

What's New in the 2023 Update?

- New FEMA requirements
 - Participation engaged and actively participating throughout the process
 - Stakeholder involvement
 - Community lifelines
 - Socially vulnerable populations
 - Effects of future conditions (i.e., climate change) on hazards
 - Current and future capabilities integrating hazard mitigation
 - Two mitigation actions per hazard





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What's New in the 2023 Update?

- Critical facilities updated inventory and included community lifelines
 - This includes airports, academia, bridges, transportation, communication, dams, utilities, pump stations, wells, etc.



Fort Bend County Hazard Mitigation Action Plan Update



What's New in the 2023 Update?



Hazards of Concern –

- Incorporated new hazards, and concise hazard profiles, including recent events
- Risk assessments for each hazard
- Climate change impacts incorporated into the probability of future occurrences
- Adaptive capacity to reduce vulnerability used in hazard ranking
- Impacts on population (general and socially vulnerable), buildings, lifelines, and economy



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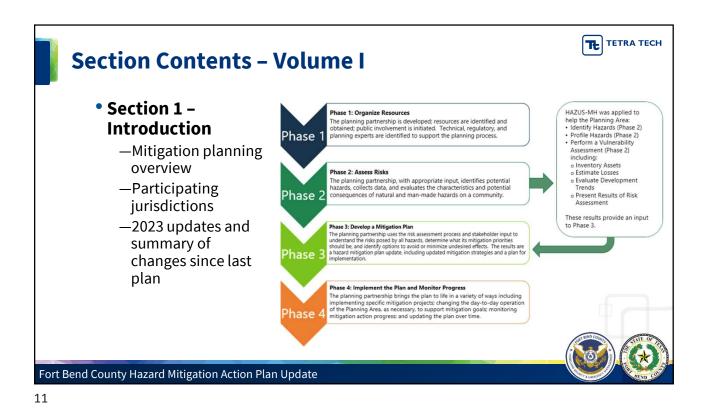
What's New in the 2023 Update?



Jurisdictional Annexes

- Each jurisdiction has its own 'chapter' of the HMP that focuses on what impacts your jurisdiction and the population you serve.
- Enhanced capability assessment including how hazard mitigation is integrated
- ■Two mitigation actions for every hazard of concern

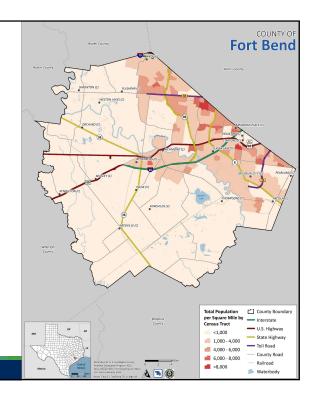






Section Contents - Volume I

- Section 3 County Profile
 - History & Physical Setting
 - Major Hazard Event History
 - Population and Demographics
 - General Building Stock
 - Land Use and Population Trends
 - Critical Facilities & Community Lifelines



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Section Contents - Volume I



- Section 4 Risk Assessment
 - Identification of Hazards of Concern
 - —Process to go through all potential hazards and identify the hazards that have the potential to impact the Planning Area
 - Methodology and Tools
 - Describes the various procedures and tools used to complete the risk assessment
 - Steps to do so included identifying and profiling each hazard of concern; determine exposure to each hazard; and assess the vulnerability of exposed population/buildings/economy

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- Section 4 Risk Assessment
 - Hazard Profiles
 - —Created individual sections for each hazard of concern.
 - —Each section includes:
 - Hazard Profile description, location, extent, worst-case scenario, previous occurrences, climate change projections, and probability of future events
 - Vulnerability Assessment impact on life/health/safety, impact on building stock and critical facilities, impact on economy, impact on the environment, future changes that may impact vulnerability, and changes in vulnerability since the last plan
 - Hazard Ranking
 - Provides a preliminary ranking (high, medium, low) of each hazard to show the Planning Area's hazards of greatest risk



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Section Contents - Volume I

- Section 5 Capability Assessment
 - What is currently available at the federal, state, and county level to support mitigation in Fort Bend County
 - —Available plans, programs, & resources
 - Administrative and technical capabilities
 - -Fiscal capabilities
 - —Education and outreach



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Section Contents - Volume I Educate and inform citizens regarding potential emergency situations related to hazards Section 6 - Mitigation Decrease the risk to life and property from hazards through planning, preparing, and mitigating Performing projects that reduce the impact of natural hazards in order to increase resiliency and enhance the ability to **Strategies** Enhance coordination between local, county, state, and federal agencies by understanding the impact of hazards in Fort Bend County and developing policies and strategies to effectively manage and reduce risk. Past accomplishments Support continuity of operations pre-, during, and post- hazard events including the support of community lifelines and critical facilities. Goals and Objectives Mitigation strategy development and update

Develop and strengthen public/private partnerships between the County, non-profits, and the business community. Identify funding sources and increase awareness of funding sources to obtain funding for mitigation projects from a variety of federal, state, regional and local entities. Promote sustainable communities and hazard resilient development Promote the use of emergency notification systems and weather alert systems for all hazards. Develop publications and information on all hazards that could potentially impact Fort Bend County Incorporate hazard mitigation into community planning mechanisms, codes/ordinances, day-to-day operations, and Identify, protect, and assist socially vulnerable populations recover from hazard impacts Ensure continuity of operations of government, non-government, commerce, private sector, non-profit, and 10 Implement mitigation measures that promote the reliability of community lifeline systems

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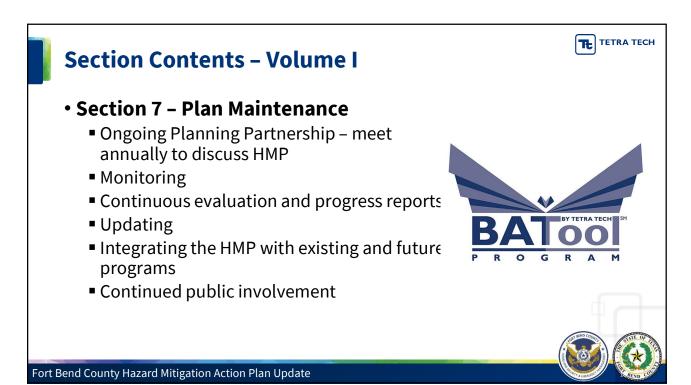
—Action identification

-Benefit/cost review

—Evaluation and

prioritization

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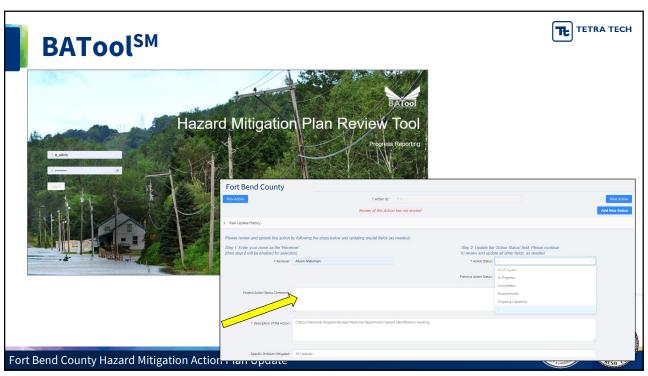
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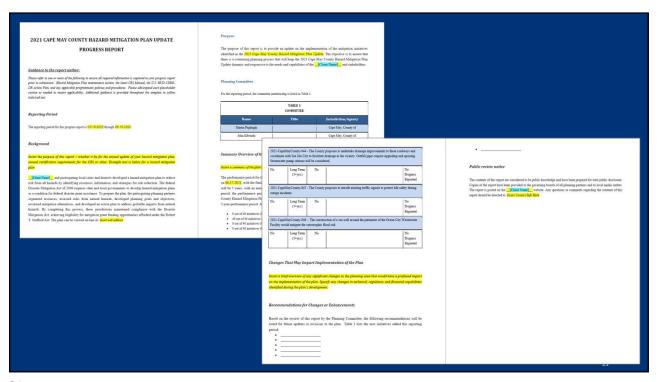
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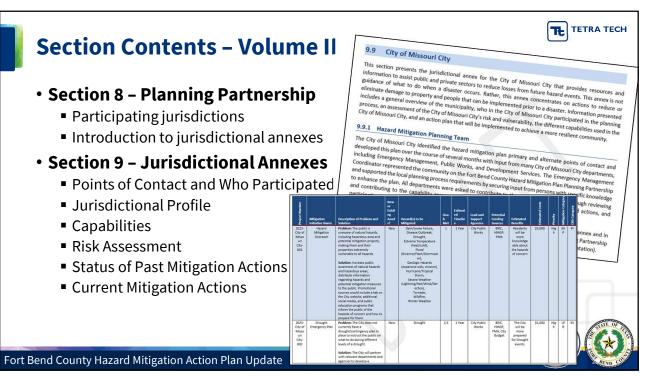
- What is it?
 - Online progress reporting for individual mitigation actions pre-populated by Tetra Tech
 - Web-based, SQL server database created by Tetra Tech
 - Scalable for multiple applications: federal, state or local
 - Secure environment
 - Includes reporting function
- Each jurisdiction has a designated Point of Contact will log in with the general username and password for the BATool [link: https://www.ttbatool.org]
 - Once the plan is approved, we will send around the username and password
- Each jurisdiction will sign in and indicate progress made on mitigation actions
- You can add or remove actions as well

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Section Contents - Appendices

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- Appendix A Plan Adoption
- Appendix B Participation Documentation
- Appendix C Meeting Documentation
- Appendix D Public and Stakeholder Outreach Documentation
- Appendix E Mitigation Strategy Supplementary Data
- Appendix F Plan Maintenance Tools
- Appendix G Critical Facilities
- Appendix H Linkage Procedures



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Review the Draft Plan



- The entire plan will be posted on the Fort Bend County HMP website for a 14-day review period (starting Wednesday, June 28th)
 - You can review sections of the plan during the public review, and we will incorporate any applicable revisions into the final deliverable to the State and FEMA
- TDEM will begin their review after the public review period
- Public feedback to be incorporated as appropriate prior to submittal to TDEM/FEMA for their review
 - If needed, we will hold a brief meeting to discuss public comments and how to incorporate – date TBD





- Review/Edits
 - Volume I edits/comments due no later than June 27th
 - Annex input is due <u>June 23rd</u>
 - Any edits received after this date will not be part of the public review period
 They will be included in the draft submitted to TDEM
- Public Review Period (14 days) June 28th through July 12th
- Submit Draft Plan for TDEM review by July 19th
- Submit Draft Plan for FEMA review/approval by September 2nd (tentative)
- FEMA approves plan (~October 2023); begin adoption
- Implement Projects and Maintain the Plan —— Increase Resilience!

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