



Houston-Galveston
Area Council

City of Angleton

Hazard Mitigation Plan Committee Meeting

April 20, 2023

A G E N D A

10:00 AM **Welcome & Sign-in**

10:05 AM **March Meeting Recap**

H-GAC staff will provide an overview of meeting notes and hazards ranked by risk, as determined by the committee at the previous meeting.

Risk Categories

Questions from last meeting

Where are we now?

H-GAC staff will discuss project timeline and next steps

Capability Assessment Overview

10:45 AM **Capability Assessment Exercise**

11:30 AM **Adjourn**



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ATTENDANCE

Name	Title	Organization
Amanda Ashcroft	H-GAC	Planner
Beth Reimschissel	UTMB	Administrator, Angleton Danbury Campus Associate Chief Nursing & Patient Care Services Officer
Bryan Sidebottom	City of Lake Jackson	Assistant Chief - Emergency Operations Deputy EOC Coordinator
Cheryl Mergo	H-GAC	Senior Manager
Corey Lukasheay	City of Angleton	Fire Department Lieutenant
Glenn LaMont	City of Angleton	Emergency Management Coordinator
Hector Renteria	City of Angleton	Assistant Public Works Director
John Deptuch	City of Angleton	Safety & Facilities Coordinator
John Peterson	HDR	City Engineer
KJ Rabe	Brazoria County Center for Independent Living	Senior Independent Living-Community Integration Specialist (Sr. IL-CIS)
Otis Spriggs	City of Angleton	Director of Development Services/City Planner
Pam Goodson	Brazoria County Center for Independent Living	Independent Living Program Manager
Stephenie Pharr	UTMB	Director, Ambulatory Care Services



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MEETING NOTES

Welcome and Introductions

Glenn LaMont welcomed participants and had those in attendance who were new introduce their name, title, and the organization they represented.

March Meeting Recap

Amanda went over meeting topics and discussion items from the kickoff and risk identification/assessment meeting held in March. She thanked everyone for returning their handouts and explained that results would be summarized and reviewed next meeting.

Amanda reviewed questions from last meeting and provided some clarity regarding including cyber security projects into the Hazard Mitigation Plan. Amanda presented a new project timeline. Since the risk assessment was returned today, and the capability assessment is being conducted today, we are ahead of schedule and the Hazard Mitigation Committee will not meet in May. This will allow for H-GAC staff to draft pieces of the plan and prepare materials for public outreach events occurring in June, such as the Brazoria County Hurricane Expo occurring on June 17th. Amanda informed the committee that H-GAC staff had secured a booth at the expo to share information about, and solicit public feedback for, the Hazard Mitigation Plan from those in attendance.

Capability Assessment

Amanda reviewed what a capability assessment is in relation to hazard mitigation planning, the categories of capabilities that fall within the capability assessment, and why this process is important to hazard mitigation planning. Categories discussed were:

1. Prevention- Administrative or regulatory actions that influence the way land is developed and buildings are built. Examples include planning & zoning, building codes, open space preservation, and floodplain regulations.
2. Property Protection- Modification or removal of existing buildings to protect them from a hazard. Examples include purchase, relocation, raised elevation, and structural retrofits.
3. Natural Resource Protection- Preservation or restoration of the functions of natural systems while minimizing hazard losses. Examples include floodplain protection, forest management, and slope stabilization.
4. Structural Projects- Modification of the natural conditions for or progression of a hazard. Examples include dams, levees, seawalls, detention/retention basins, channel modification, retaining walls, and storm sewers.
5. Emergency Services- Protection of people and property during and immediately after a hazard event. Examples include warning systems, evacuation planning, emergency response training, and protection of emergency facilities.
6. Public Education and Awareness- Informing of citizens about hazards and the techniques they can use to protect themselves and their property. Examples include outreach, school education, library materials, and demonstration events.

Public & Stakeholder Online Survey

Amanda discussed the development of an online survey component for the plan update. H-GAC staff are working on building and making the survey live for public input soon. When the survey is live a link will be sent out to the Hazard Mitigation Committee to share.



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Next Steps

Amanda outlined next steps for the local planning team and members of the hazard mitigation planning committee. Committee members should provide their completed capability assessment forms to the local planning team- Glan LaMont and H-GAC staff.

There will be no meeting in May 2023. There will be a public outreach event in June to solicit public input on the plan and its components.

After the presentation, the Hazard Mitigation Planning Committee worked through the Capability Assessment worksheet together.

Meeting adjourned at 11:35 AM.



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Hazard Mitigation Plan Worksheet Capability Assessment

2018 Capability Assessment:

HMP: Hazard Mitigation Plan

DRP: Disaster Recovery Plan

CP: Comprehensive Land Use Plan

FMP: Floodplain Management Plan

SMP: Stormwater Management Plan

EOP: Emergency Operations Plan

COOP: Continuity of Operations Plan

REP: Radiological Emergency Plan

SARA: SARA Title III Emergency Response Plan

TP: Transportation Plan

REG-PL: Regional Planning

SO: Subdivision Ordinance

FDPO: Flood Damage Prevention Ordinance

MA: Mutual Aid Agreements

CRS: Community Rating System

CIP: Capital Improvements Plan (that regulates infrastructure in hazard areas)

Jurisdiction	DRP	CP	FMP	SMP	EOP	COOP	REP	SARA	TP	REG	SO	AB	MA	FDPO	CRS	CIP
Angleton	x	x	x	x	x	x	x	x	x	x	x	x	X	x		x

Jurisdiction	Capability Expansion Opportunities
Angleton	<p>Identified an inadequate budget as a factor that decreases their capability to implement mitigation actions and reduce future damages.</p> <p>Angleton will apply for state and federal funding to help fund mitigation actions that reduce the impact of natural hazards. They also plan to expand their mutual aid agreements to address flood emergency response needs.</p>



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Hazard Mitigation Plan Worksheet Capability Assessment

Name: **Due date: First Friday in May-5th**

Title and Employer:

Jurisdiction represented:

Date:

Amount of time worked
on this document:

Please return your filled worksheet to Amanda.Ashcroft@h-gac.com

Does the plan document each jurisdiction's existing authorities, policies, programs and resources, and its ability to expand on and improve these existing policies and programs?

(Requirement §201.6(c)(3))



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Hazard Mitigation Plan Worksheet

Capability Assessment

Building Code, Permitting, and Inspections	Yes/ No	1. Are codes adequately enforced?
Building Code	Yes <input type="checkbox"/>	Version/Year: 2015 electric code-2014
Building Code Effectiveness Grading Schedule (BCEGS)	No <input type="checkbox"/>	Score:
Fire department ISO rating	Yes	Rating: 4
Site plan review requirements	Yes	yes
Other (if any)		

Planning, Ordinances, & Regulatory Capability	Yes/ No	1. Is the plan/ordinance an effective measure for reducing hazard impacts? 2. Is the ordinance adequately administered and enforced?
Capital Improvements Plan (Regulates infrastructure in hazard areas)		Yes- 2021, update annually
Comprehensive Plan	Yes <input type="checkbox"/>	2007, pending update 2025
Continuity of Operations Plan		None
Disaster Recovery Plan	Yes <input type="checkbox"/>	(will look up year)
Economic Development Plan	No <input type="checkbox"/>	
Emergency Operations Plan	Yes <input type="checkbox"/>	2021
Floodplain Management Plan	No <input type="checkbox"/>	Covered by Angleton Drainage District, floodplain section in code (2020)
Hazard Mitigation Plan	Yes <input type="checkbox"/>	Expires 9/30/2023
Radiological Emergency Plan	Yes <input type="checkbox"/>	2022
Regional Planning	No <input type="checkbox"/>	
SARA Title III Emergency Response Plan	No <input type="checkbox"/>	
Stormwater Management Plan		Part of the County Ms4 permit
Transportation Plan	Yes <input type="checkbox"/>	Transportation annex to EOP and a thoughtfare plan
Zoning Ordinance	Yes <input type="checkbox"/>	



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Hazard Mitigation Plan Worksheet

Capability Assessment

Planning, Ordinances, & Regulatory Capability	Yes/ No	1. Is the plan/ordinance an effective measure for reducing hazard impacts? 2. Is the ordinance adequately administered and enforced?
Subdivision Regulation/Ordinance	Yes <input type="checkbox"/>	
Flood Damage Prevention Ordinance	Yes <input type="checkbox"/>	
Floodplain Ordinance	Yes <input type="checkbox"/>	
Natural hazard specific ordinance (Stormwater, wildfire, etc.)	No <input type="checkbox"/>	
National Flood Insurance Program	Yes <input type="checkbox"/>	
Flood insurance rate maps	Yes <input type="checkbox"/>	2020
Community Rating System	No <input type="checkbox"/>	TBD
Acquisition of land for open space and public recreation uses	Yes <input type="checkbox"/>	Parkland dedication ordinance, Purchased acreage on Cemetary for new park
Other (if any)		Rolling park land into drainage relief and retention becoming an amenity used by the community
How can these capabilities be expanded and improved to reduce risk?		



Hazard Mitigation Plan Worksheet Capability Assessment

Administrative & Technical Capability

Identify whether your community has the following administrative and technical capabilities. These include staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions. For smaller jurisdictions without local staff resources, if there are public resources at the next higher-level government that can provide technical assistance, indicate so in your comments.

Administration	Yes/ No	1. Describe capability. 2. Is coordination effective?
Planning Commission	Yes <input type="checkbox"/>	Meet monthly
Planning Committee	Yes <input type="checkbox"/>	Sub-committees/TBD
Maintenance programs to reduce risk (e.g., tree trimming, clearing drainage systems)	No <input type="checkbox"/>	Require development agreements on all new large scale developments, maintenance activities occur (part of checklist before large storm events and prep)
Mutual aid agreement(s)	No <input type="checkbox"/>	Lake Jackson for Fire Dept. Others- not a formal agreement

Staff	Yes/ No FT/ PT ¹	1. Is staffing adequate to enforce regulations? 2. Is staff trained on hazards and mitigation? 3. Is coordination between agencies and staff effective?
Chief Building Official	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	yes yes, certifying staff for CFM Yes
Civil Engineer	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	HDR-Consulting Yes, yes, yes
Community Planner	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	yes, yes, yes
Emergency Management	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	Yes yes yes
Floodplain Administrator	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	HDR/ADD(drainage district overlap)-Consulting Yes, yes, yes Staff getting CFM
GIS Coordinator	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	HDR-Consulting Yes, yes, yes

¹ Full-time (FT) or part-time (PT) position



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Hazard Mitigation Plan Worksheet

Capability Assessment

Staff	Yes/ No FT/ PT ¹	1. Is staffing adequate to enforce regulations? 2. Is staff trained on hazards and mitigation? 3. Is coordination between agencies and staff effective?
Grant Manager	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	Consulting/contract
Local Staff who can assess community's vulnerability to hazards	Yes <input checked="" type="radio"/> No <input type="radio"/> FT <input checked="" type="radio"/> PT <input type="radio"/>	PW Directors, Fire Marshal, Building inspectors
Other (if any)		

Technical	Yes/ No	1. Describe capability. 2. Has capability been used to assess/mitigate risk in the past?
Warning systems/services (Reverse 911, outdoor warning signals)	Yes <input type="checkbox"/>	CodeRed- mass notification Warning sirens- in process
Hazard data and information	Yes <input type="checkbox"/>	SDS, ERP for plants, MS4
Grant writing	Yes <input type="checkbox"/>	TWDB funding in processm GLO previously Post-Harvey mitigation funds for various projects
HAZUS Analysis	Yes <input type="checkbox"/>	
Other (if any)		

How can these capabilities be expanded and improved to reduce risk?

¹ Full-time (FT) or part-time (PT) position

Hazard Mitigation Plan Worksheet

Capability Assessment

Financial Capability

Identify whether your jurisdiction has access to or is eligible to use the below funding resources for hazard mitigation.

Financial	Access/ Eligibility (Yes/ No)	1. Has the funding resource been used in past and for what type of activities? 2. Could the resource be used to fund future mitigation actions?
Authority to levy Taxes for specific purposes (Such as mitigation projects)	No <input type="checkbox"/>	
Capital Improvement Plan/ 1- & 5-Year plan	Yes <input type="checkbox"/>	
Capital improvements project funding	No <input type="checkbox"/>	
Community Development Block Grant	Yes <input type="checkbox"/>	
Applied for grants in the past	Yes <input type="checkbox"/>	
Awarded a grant in the past	Yes <input type="checkbox"/>	
Gas/Electric Service Fees	No <input type="checkbox"/>	
Stormwater Service Fees	No <input type="checkbox"/>	
Water/Sewer Service Fees	Yes <input type="checkbox"/>	
Development Impact Fees	Yes <input type="checkbox"/>	2 active impact areas in the city that are defined and working on city-wide
Impact fees for new development	Yes <input type="checkbox"/>	--Duplicate--
Incur debt through General Obligation Revenue or Special Tax Bonds	Yes <input type="checkbox"/>	
Incur debt through private activities	No <input type="checkbox"/>	
Other federal funding programs	Yes <input type="checkbox"/>	ARPA, CARES, GLO
State funding programs	Yes <input type="checkbox"/>	actively pursuing state revolving fund clean drinking water
Other (if any)		
How can these capabilities be expanded and improved to reduce risk?		



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Hazard Mitigation Plan Worksheet Capability Assessment

Education and Outreach Capability

Identify education and outreach programs and methods already in place that could be used to implement mitigation activities and communicate hazard-related information.

Education and Outreach	Yes/ No	1. Describe program/organization and how relates to disaster resilience and mitigation. 2. Could the program/organization help implement future mitigation activities?
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access, and functional needs populations, etc. (Ex. CERT Teams, Red Cross)	Yes <input type="checkbox"/>	County- CERT teams Emergency preparedness- STEER Redcross GulfCoast Transit District
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	Yes <input type="checkbox"/>	City sends out education Angleton University Fire Safety- BCCIL October- Fire Prevention Month! Fire Safety, BBQ Safety, related safety messages throughout the year Keep Angleton Beautiful Community Wide cleanup (2x/yr) DEA Druge take back days 24/7 permanenet drop off box at PD Several events throughout thethrough communications dept year (please list here)
Natural Disaster or Safety related school programs	Yes <input type="checkbox"/>	
Storm Ready Certification	No <input type="checkbox"/>	
Other (if any)		
How can these capabilities be expanded and improved to reduce risk?		



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Hazard Mitigation Plan Worksheet

Capability Assessment

Education and Outreach	Yes/ No	1. Describe program/organization and how relates to 2. disaster resilience and mitigation. 3. Could the program/organization help implement future mitigation activities?
Firewise Communities Certification	No <input type="button" value="v"/>	
Tree City USA	No <input type="button" value="v"/>	
Public-private partnership initiatives addressing disaster-related issues	Yes	works with 2 churches to setup shelter, food pantry Actions- nonprofit that brings food to elderly and uses city rec for social activities Angleton residents can bring household hazardous waste to pearland
Other (if any)		
How can these capabilities be expanded and improved to reduce risk?		

Overall Capability	Limited/Moderate/High
Does the community have the financial resources needed to implement mitigation projects?	
Does the community have the staff/expertise to implement projects?	
Is there community support to implement projects?	
Does the community staff have time to devote to hazard mitigation?	
How can these overall capabilities be expanded and improved to reduce risk?	

Hazard Mitigation Plan Worksheet Capability Assessment

Political Capability

The local political climate must be considered in designing mitigation strategies, as it could be the most difficult hurdle to overcome in accomplishing their adoption and implementation. Hazard mitigation may not be a local priority or may conflict with or be seen as an impediment to other goals of the community.

Political Capability	1. List any examples of local political capability Guiding development away from hazard areas, restricting development within hazard areas, or enforcing development standards that go beyond minimum state or federal requirements (e.g., building codes, floodplain management)

Capability Self-Assessment

Rate the following capability areas as “limited”, “moderate”, or “high” with what you perceive to be the jurisdiction’s ability in implementing hazard mitigation activities.

Jurisdiction	Building Code, Permitting, and Inspections	Planning, Ordinances, & Regulatory Capability	Administrative & Technical Capability	Financial Capability	Education and Outreach Capability	Political Capability	Overall Capability
City of Angleton	Moder <input type="checkbox"/>	Moder <input type="checkbox"/>	Moder <input type="checkbox"/>	Limited <input type="checkbox"/>	Moder <input type="checkbox"/>	Moder <input type="checkbox"/>	Moder <input type="checkbox"/>

What are some barriers to implementing proposed mitigation strategies?
What mechanisms could enhance or further implementation of proposed mitigation strategies?