

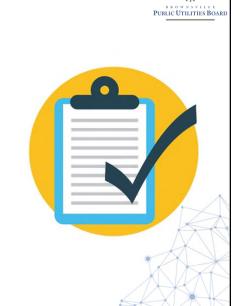
Brownsville Public Utilities Board
Hazard Mitigation Plan – 2022 Update
Planning Team Meeting #2 | October 7, 2021

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# Agenda

- Welcome
- Project Schedule and Status Review
- Hazards of Concern
- Confirm Critical Facility Types and Lifelines
- Mission Statement, Goals and Objectives
- Strengths, Weaknesses, Obstacles, and Opportunities
- Next Steps



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#### Schedule

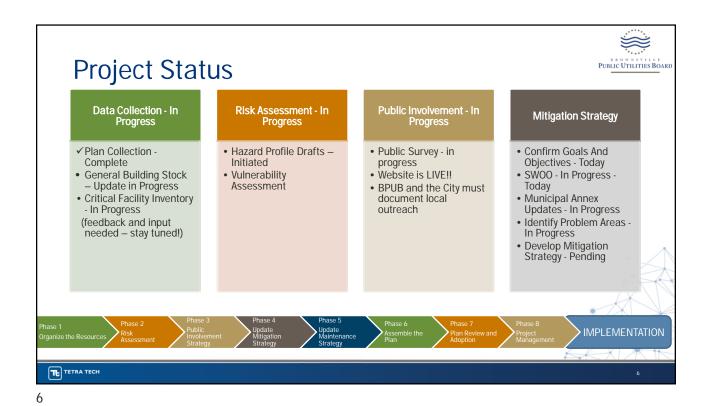


- Overview and Milestones
  - Planning Process
  - Currently working on reviewing plans, studies, and codes/ordinances
  - Info Gathering Worksheets due October 8th
  - Planning Team Meeting #2 TODAY!
  - Risk Assessment and Hazard Ranking Meeting – Date TBD (mid-November?)
- Update Risk Assessment
  - Data collection is underway; Confirm building and critical facility inventory
  - Confirm hazards of concern; once confirmed, begin vulnerability assessment for each

- Public Involvement Strategy ongoing throughout the planning process
  - The HMP website is live! https://www.brownsvillepub-hmp.com/
  - Need your help to get the word out about the HMP
- Mitigation Strategy
  - Mitigation Strategy Workshop with FEMA and TDEM— January 2022
- Draft Plan to Planning Team by April 2022
- Final draft plan to TDEM and FEMA by May 2022

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# **Participation Status**



- Annex updates are in progress
- Info gathering worksheets were sent out to everyone due October 8th (tomorrow)
  - Any questions on completing the worksheets?
  - Document new development using this link: <a href="https://arcg.is/9qT5r">https://arcg.is/9qT5r</a>
  - Document problem areas using this link: <a href="https://arcg.is/qXyvP">https://arcg.is/qXyvP</a>
- Next Steps
  - Review and confirm risk ranking November 2021
  - Review and identify critical facilities due October 22<sup>nd</sup>
    - $-\,\mbox{Tetra}$  Tech will be sending out the list of facilities and survey to input new facilities
  - Identify mitigation actions January 2022

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#### Public and Stakeholder Outreach



- Website is live!
  - https://www.brownsvillepub-hmp.com/
- Press Release and Social Media
  - Tetra Tech has provided sample press release and will provide social media posts for the Planning Team to use
- Survey (public and stakeholder)
  - Next step distribute and advertise survey links and brochure
  - Stakeholders begin to complete survey
  - Municipalities to post an HMP project link and flyer on their website; press release sent to newspapers
- Outreach present key info on the HMP process at local meetings
  - Tetra Tech can provide some talking points if needed

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### Potential 2022 Hazards of Concern



- Dam and Levee Failure
- Disease Outbreak
- Drought
- Earthquake
- Erosion (coastal and inland)
- Extreme Heat
- Flood (riverine, coastal, flash, stormwater)

- Hail
- Hurricane/Tropical Storm
- Lightning
- Thunderstorm Wind
- Tornado
- Wildfire
- Winter Storm









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# Critical Facilities and Community Lifelines



- To be reviewed:
  - 911 Centers
  - Airport
  - Bridges
  - Churches
  - Communication Towers
  - Community Services
  - Detention Centers
  - Emergency Operation Centers
  - Evacuation Routes

- Fire Stations
- Government Buildings
- Heliports
- Hospitals
- Nursing Homes
- Parks
- Police Stations
- Ports
- Public Works
- Pump Stations
- Schools

- Shelters
- Utilities
- Wastewater facilities
- Water pipelines









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#### Critical Facilities and Lifelines

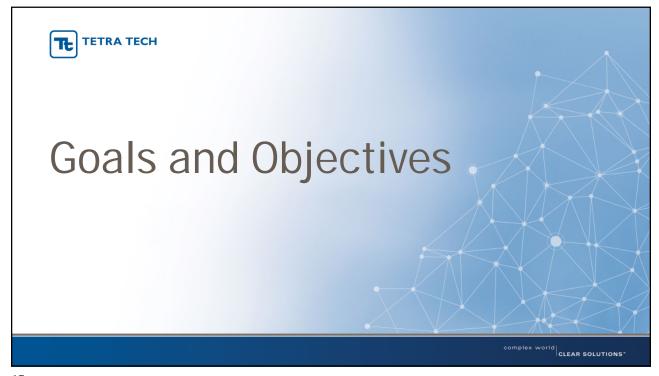


- What are lifelines?
  - A lifeline enables the continuous operation of critical government and business functions and is essential to human health and safety or economic security.
  - Lifelines are the most fundamental services in the community that, when stabilized, enable all other aspects of society to function.
  - When disrupted, decisive intervention (e.g., rapid re-establishment or employment of contingency response solutions) is required to stabilize the incident.
- Tetra Tech conducted a preliminary review of the critical facilities and assigned the lifeline categories to each
- We will be distributing a list of facilities for your review and input. We will also be using an online survey to collect new facilities to be included.
  - All input is due October 22<sup>nd</sup>!

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# Compatibility with Other Planning Goals



The HMP update's goals should be compatible with the needs and goals expressed in other available community planning documents as well as the Texas State HMP. These goals and objectives should be reasonably in-line with goals established in other related planning documents and mechanisms including:

- 2018 State of Texas HMP
- 2016 Brownsville Public Utilities Board HMP
- Other local comprehensive and emergency management plans



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#### 2018 State of Texas HMP



- Goal 1. Saving lives and reducing public risk exposure from natural, technological, and human-caused hazard events.
- Goal 2. Reducing or preventing damage to public and private property from natural, technological, and human-caused hazard events.
- Goal 3. Empowering units of local government to understand and effectively manage public risk exposure through the development of comprehensive mitigation action plans.
- Goal 4. Enhancing the quality of vulnerability and risk assessments through the collection, organization, and analysis of data.
- Goal 5. Reducing adverse environmental, natural resource, and economic impacts from natural, technological, and human-caused hazard events.
- Goal 6. Empowering citizens and businesses to make risk-informed decisions though public education and outreach activities.
- Goal 7. Enhancing coordination between local, state, tribal, and federal agencies by understanding the impact of hazards in Texas and developing policies and strategies to effectively manage risk.
- Goal 8. Reduce the number of Repetitive Loss and Severe Repetitive Loss properties through acquisition
  of real property from property owner

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# Revisit the 2016 Goals and Update if Needed



- Do the goals and objectives address current and expected conditions?
- Do the goals and objectives reflect current natural hazard risk?
- Did the goals and objectives lead to mitigation projects and/or changes in policy that helped jurisdictions to reduce vulnerability?
- Do the goals and objectives support changes in mitigation priorities?
- Do the goals and objectives reflect updated State goals?
- Do the goals incorporate a focus on resiliency?

What are the basic goals?

- · Protect Life?
- · Protect Property?
- Protect the Environment?
- · Build Partnerships?
- Increase Preparedness?
- Encourage Implementation of Long-Term Mitigation Projects?
- · Protect Lifelines?

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#### **Review Goals**



According to CFR 201.6(c)(3)(i): "The hazard mitigation strategy shall include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards."

Goal#	Goal Statement
G-1	Protect public health and safety from natural, technological, and human-caused hazard events
G-2	Protect new and existing public and private properties from natural, technological, and human-caused hazard events
G-3	Build and support public, private, and non-profit partnerships to enhance mitigation to continuously become less vulnerable to hazards.
G-4	Leverage outside funds for investment in hazard mitigation.
G-5	Enhance and promote hazard mitigation awareness and education to help residents understand the need for mitigation, and steps they can take to protect people and properties.
	Additional Goals?

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## **Objectives**



**Objectives** are short-term aims which, when combined, form a strategy or course of action to meet a goal. Unlike goals, objectives are specific, and measurable - **they answer the question**, "How?"

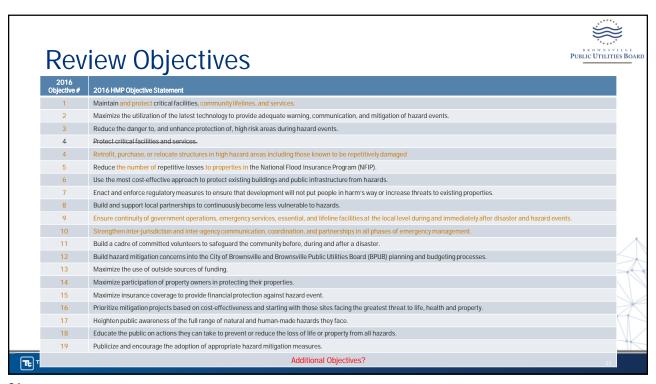
#### Examples include:

- Integrate the recommendations of this plan into existing regional and local programs.
- Implement mitigation actions that enhance the capabilities of the Utilities Board and City to better profile and assess exposure of hazards.



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# Strengths, Weaknesses, Obstacles, and Opportunities (SWOO)

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# Strengths, Weaknesses, Obstacles, and Opportunities

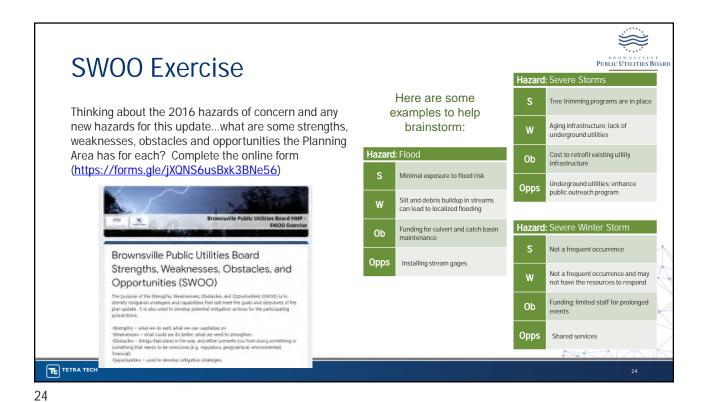


The purpose of the SWOO is to identify mitigation strategies and capabilities that will meet the goals and objectives of the plan update. It is also used to develop potential mitigation actions for the participating jurisdictions.

- Strengths what we do well
- Weaknesses what could we do better
- Obstacles things that stand in the way, and either prevents you from doing something or something that need to be overcome
- Opportunities used to develop mitigation strategies

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2022 SW00 Discussion/Example

Hazard

Weaknesses

What can the Planning Area do better or what are identified gaps in terms of:

Plans and Regulations

Codes, Ordinances, Planning Studies,
Comprehensive Plans, Adaptation and
Resiliency Plans

Structure and Infrastructure Projects

Natural Systems Protection

Education and Awareness Programs?

Preparedness

Others?

Natural Systems Protection

➤ Plans and Regulations

➤ Education and Awareness Programs?

> Structure and Infrastructure Projects

**Strengths** 

What do the Planning Area do well in

> Codes, Ordinances, Planning

Studies, Comprehensive Plans,

Adaptation and Resiliency Plans

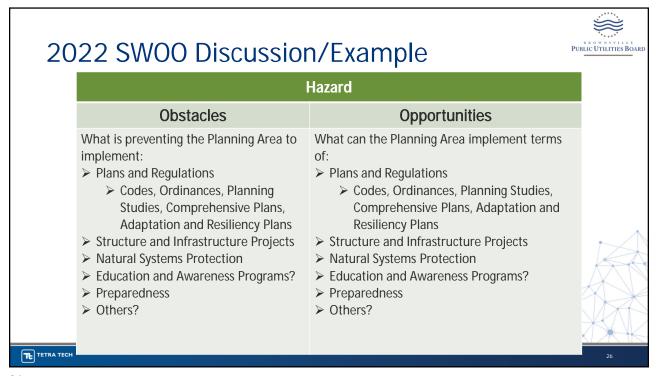
Preparedness

➤ Others?

terms of:

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Next Steps

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# **Next Steps**

- Review Hazard Profiles
- Review Risk Assessment Results
- Identify Problems and Problem Areas
- Develop Mitigation Strategy
- Review Draft Plan
- Submit Draft Plan for TDEM/FEMA Review
- Adopt FEMA Approved Plan

• Implement Projects and Maintain the Plan —— Increase Resilience!



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