

Engagement should be a core value of all public universities.



### Institute for Sustainable Communities



#### Discovery

Coordinate existing research strengths and make strategic investments



#### Engagement

Engage with communities to translate research to action



#### Education

Enhance and expand experiential education opportunities



### Coastal Risk Reduction and Resilience

Seeks to provide solutions to today's most pressing coastal issues through holistic research that explores the interconnections of the natural, built, and socio-political environments.



#### Community Infrastructure

Focuses on creating innovative ways for addressing infrastructure problems and seeking novel solutions in local communities.



#### Health and Environment

Concentrates on improving environmental variables and understanding the interactions between individual level health outcomes and the built environment, health systems, and community level factors.



#### Water Security

This project targets key threats to water security, including poverty, climate change, governance and social marginalization, to better address the water security challenges in the coming years.



#### Community Resilience

The CoRe Program integrates community engagement and research on developing strategies to mitigate natural hazards within flood vulnerable neighborhoods to develop strategies to mitigate disasters.



## Texas Target Communities Program

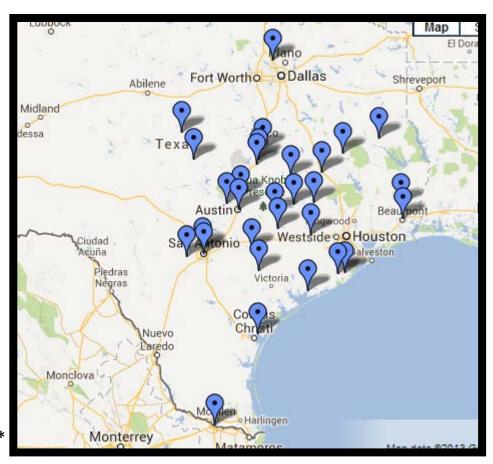
- Since 1980
- Historically worked with:
  - Small Texas cities that could not afford consultants
  - For one year
- Typical projects:
  - planning students to develop comprehensive plans
  - studio classes to develop site plans





## **Texas Target Communities Program**

- Over 50 communities
- Students awards under the supervision of faculty
  - Temple, 1988
  - Madisonville, 1989
  - Palacios, 2003
  - Navasota, 2004
  - Hearne, 2005
  - Texas Urban Triangle, 2008
  - Beaumont, 2009
  - Cuero, 2009
  - Sealy, 2010
  - Gonzales, 2013
  - La Grange, 2015
  - Sunnyside Neighborhood, 2017
  - Grimes County, 2017
  - Liberty County, 2017 \*professional award\*





### **OUR MISSION**

A Holistic Approach

To facilitate the transformation of communities from high-risk/low-opportunity to equitable, resilient, and adaptive by mitigating the threats to the economy, environment, and culture





## Increasing Community Capacity



SOCIAL Strengthening the community fabric



CIVIC Encouraging participatory and collaborative governance



ECONOMIC
Fostering strategic
& equitable
growth



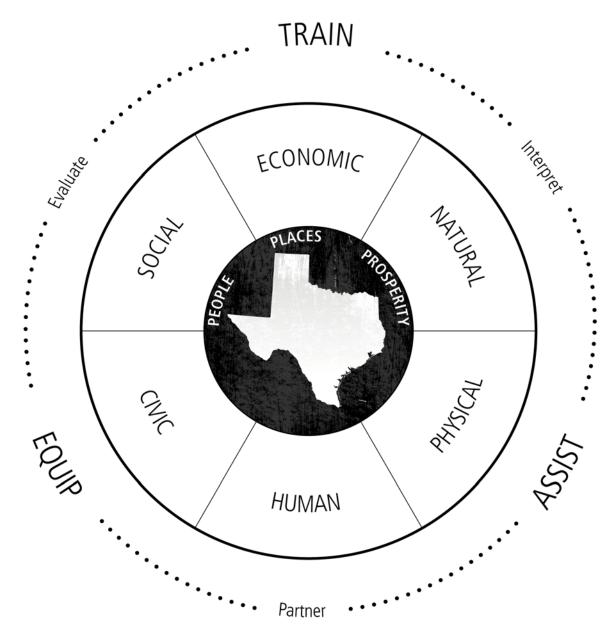
HUMAN
Nurturing the
capacity and
health of people



NATURAL
Preserving and
restoring the integrity
of our environmental
systems

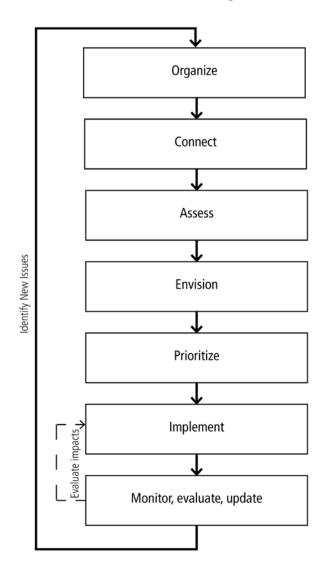


PHYSICAL
Promoting informed
development
decisions





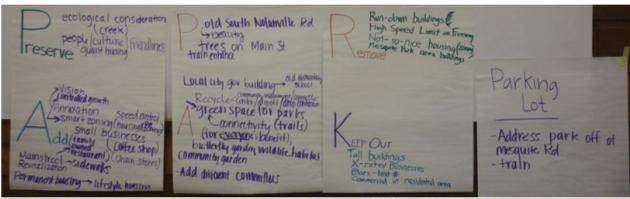
### Inclusive Plan Making Process







## Community Engagement



What did community members want to preserve, add, remove, or keep out?



We strive to preserve our small town atmosphere while preparing for growth and future generations, to enhance the beautification of the city, embrace the diversity of its people, and improve the quality of life for our citizens. We aspire to be "A Great Place to Live."



# Liberty County Planning for Growth, Planning for Resilience



LIBERTY COUNTY Strategic Plan 2016 - 2036

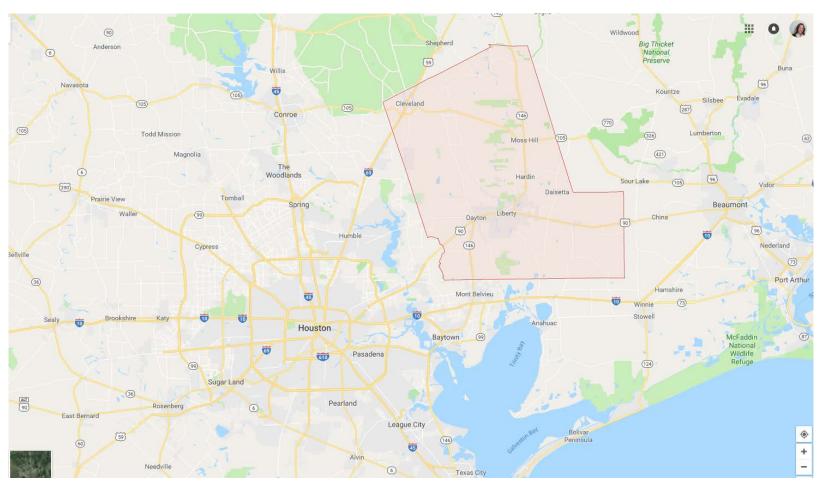


- 8 courses
- Urban planning, engineering, marketing/visualization
- TX APA professional award in 2017



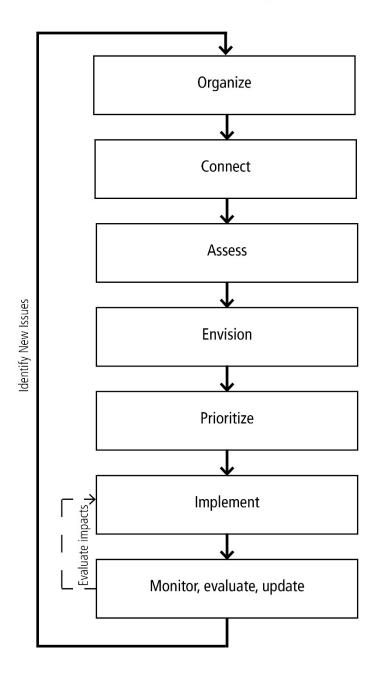
## Catalysts

- 1. Uncontrolled growth
- 2. Highway 99 planned
- 3. 2015-2016 received 5 disaster declarations





### **Inclusive Plan Making Process**





What do we want our community to be like?

## Organize & Connect

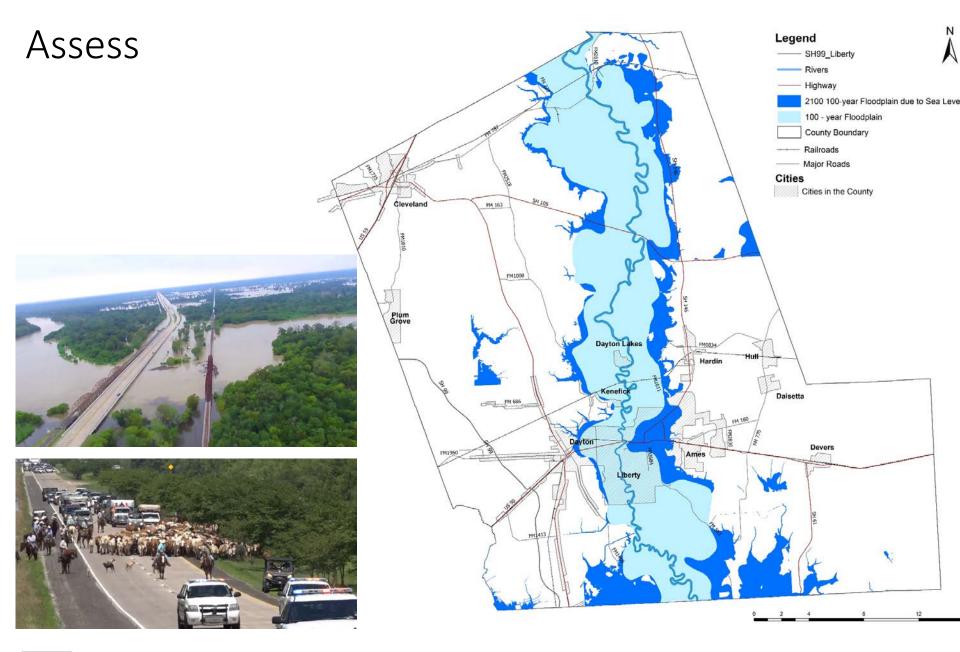
- Leadership of County Judge and Extension Agent
- Held 17 public forums and community meetings
- Cities, once with fierce rivalries determined that "we are stronger as a county when we all work together"







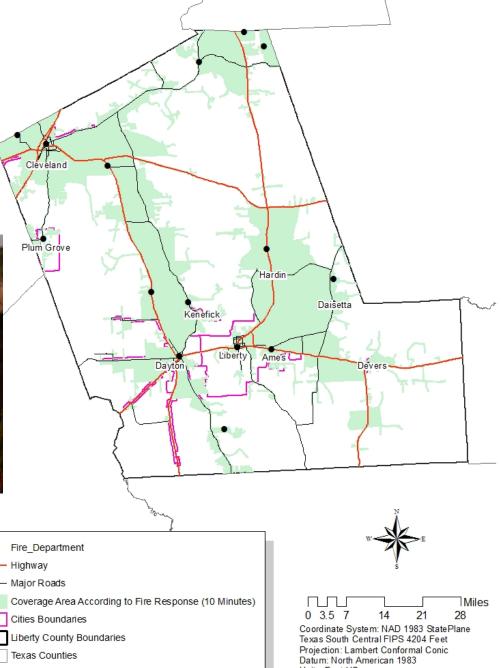






### Assess



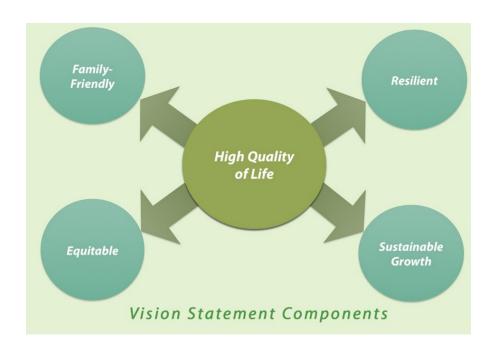


Units: Foot US

Texas Counties



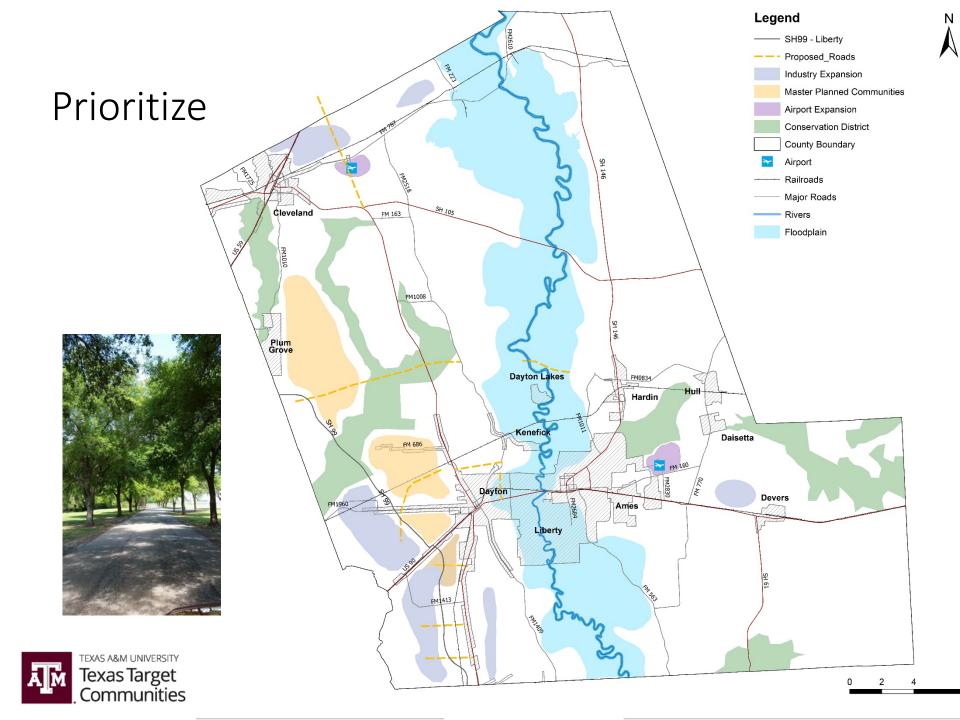
## Envision



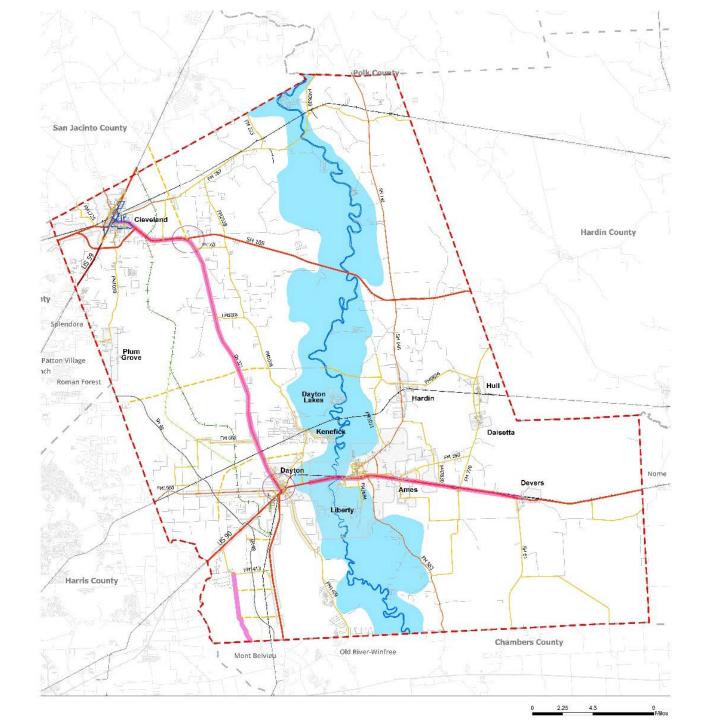
#### How will our vision influence:

- Development considerations
- Transportation
- Community facilities
- Economic development
- Environment & open space
- Housing





## Prioritize





## Implement



Land Development		Short-term	Medium	Long-term		Program	Regulation or Standard		More Targeted Planning	Assis Landon	■ Primary Action Type ■ Secondary Action Type
3.1.1.1 JOINT LAND USE MANAGEMENT		In	- 1	Action Type				Action Leaders	Funding		
Create a Liberty County Joint Land Use Management Task Force with all municipalities in the county. This group could develop specific goals and objectives for the area, committee structure and membership, milestones for achieving goals, and evaluation metrics.	ОВЈ. 3.1.1		х					0	-	ADM, PLAN	Sustainable Communities Initia- tive; Sustainable Commnities Invest- ment Planning Grants; Building Blocks for Sustainable Communities; Capacity Building for Sustain- able Communities
3.1.1.2 AGREE ON DEVELOPMENT PLAN											
Assess, revise, and adopt development plans and codes.	OBJ. 3.1.1		Х							ADM, PLAN	
3.1.1.3 ADOPT DEVELOPMENT PLAN											
Adopt a revised development plan and code.	OBJ. 3.1.1			Χ						GB	
3.1.1.4 CHANGES TO DEVELOPMENT PLAN											
All future amendments and changes of development codes that are not available in the current development plan shall be discussed and agreed upon by the County Commissioners Court, with consultation by the organizations referenced in section (3.1.1.1). Costs incurred for the coordination of required meetings shall be borne by the stakeholder(s) requesting the amendment/change.	OBJ. 3.1.1	ONGOING				-	_		ADM, PLAN		

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## A Plan is your "Cook Book"

- The cities within the county are developing their own plans in line with the region.
- The cities within the county and stakeholders continue to meet regularly
- The county has reason to work together with a shared vision for resilient development

















#### **Collaborative Partners** Texas Sea Grant - Connects extension team to coastal stakeholders to identify critical issues needing study, funds targeted research, then communicates **Community Resilience** research results to help solve real-world problems **COLLABORATIVE** - Deploys planners to provide technical assistance, outreach, and education to local governments and other community stakeholders **Texas Target Communities** Department of Landscape - Facilitates service-learning **Architecture & Urban Planning Texas Sea Grant** opportunities for faculty and students - Researches planning for - Facilitates and leads project resilience Landscape Architecture management of community - Trains the next generation and Urban Planning planning processes Texas Target Communities of urban planning professionals - Engages community members and - Collaborates with technical stakeholders in participatory experts and professional networks planning processes Collaborative **Partners Hazard Reduction and Recovery Center** Institute for Sustainable - Conducts research on hazard impacts, Communities mitigation, preparedness, response and recovery, - Supports interdisciplinary research of and disseminates results to practitioners resiliency best practices - Provides assistance and consultation to agencies - Conducts applied, locally-driven, and charged with responsibility for hazard analysis, co-produced research in vulnerable emergency preparedness and response, disaster communities recovery, and hazard mitigation

**Combining Resources And Strengths For Communities** 



### Goals of the program:



 Communities adopt high-quality plans to achieve locally defined visions of sustainable development.



Communities increase resilience to natural and technological hazards.



Habitat, ecosystems and the services they provide are monitored, enhanced and/or restored.



 Local and scientific knowledge is leveraged in planning and other decision-making processes.

Figure 1: The CRC coordinates efforts from Texas A&M University in College Station with a team of planners in three regions: the Upper Coast, Coastal Bend and Rio Grande Valley.

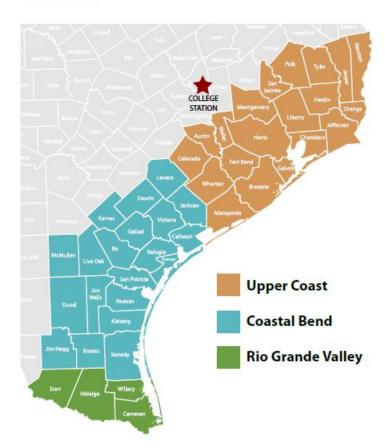
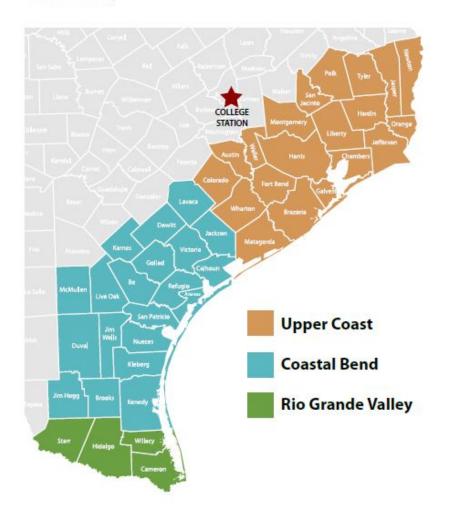




Figure 1: The CRC coordinates efforts from Texas A&M University in College Station with a team of planners in three regions: the Upper Coast, Coastal Bend and Rio Grande Valley.























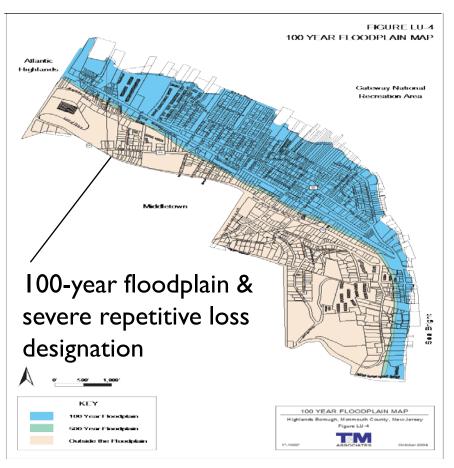


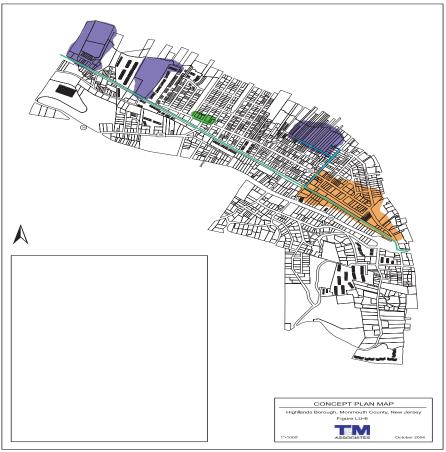




## Plan Integration for Resilience Scorecard

### Highlands, NJ Before Hurricane Sandy: Opposing Intentions?





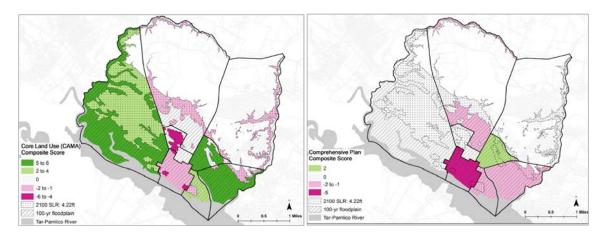
Hazard Mitigation Plan

Comprehensive Plan

## Plan Integration for Resilience Scorecard

### Project Overview

- --Land use planning is key to resilience.
- --Cities adopt networks of plans.
- --Integration of hazards/climate change in local plans affects future resilience.



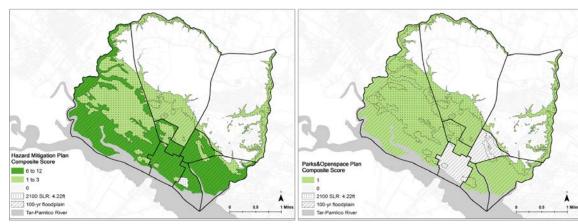
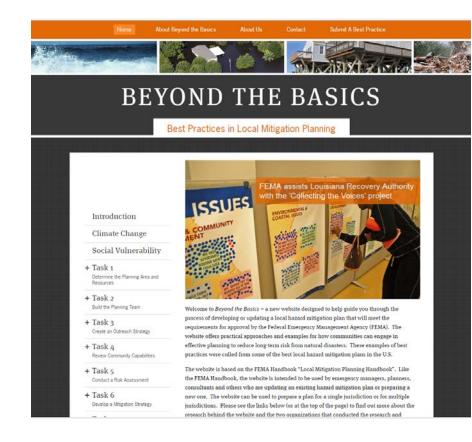


Figure 3.3 Comparing Scores of Different Planning Documents in Washington, NC.



## Plan Integration for Resilience Scorecard

- How to develop how quality plans
  - Local mitigation plans
- Mitigationguide.org





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