

# REGIONAL RESILIENCY ACTION PLAN



September ABM  
September 9, 2021

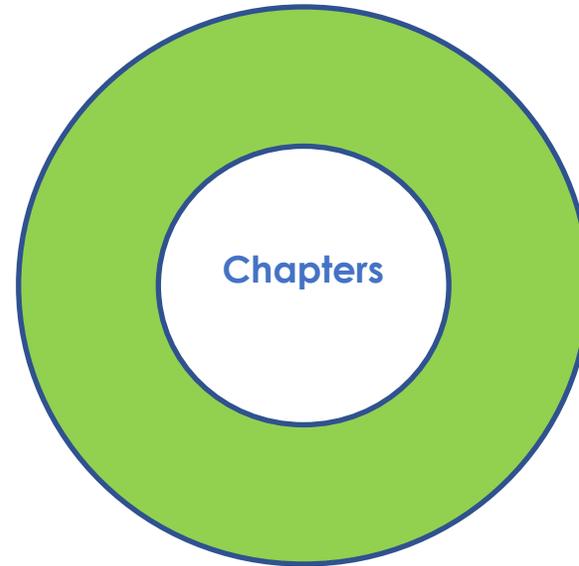


# RRAP OVERVIEW

## 1 RISKS AND FUTURE CONDITIONS

### Chapter 2

Community  
Vulnerability



## 5 PROSPERITY

Economic Growth and  
Business Resilience.

## 4 PLACE

Infrastructure,  
Environment, Housing,  
Buildings, Food Systems.

## 3 PEOPLE

Governance, Leadership  
and Community  
Capacity Building

# RRAP AT A GLANCE

KEYS TOPICS	Chapter 2	Chapter 3	Chapter 4	Chapter 5
Agriculture/Food Systems	✓		✓	✓
Business Engagement		✓	✓	✓
Continuity Planning		✓	✓	✓
Real Estate				✓
Economic development				✓
Clean/Resilient Energy	✓	✓	✓	✓
Community Capacity		✓		
Development Growth Management			✓	✓
Finance/Governance		✓		
Habitats	✓		✓	
Housing	✓		✓	
Infrastructure	✓	✓	✓	✓
Shorelines			✓	
Transportation			✓	

# Regional Priorities for Collaboration

1. Improve regional flood risk mapping

2. Strategies for prioritizing green infrastructure

3. Quantify community and infrastructure vulnerability

4. Neighborhood level and housing resilience

5. Non-profit capacity building

6. Land-use, construction and development

7. Integrate heat & health

# RRAP 11 OVERARCHING GOALS



**Goal 1** Community resiliency is at the top of the public agenda and sustained with science and data.



**Goal 2** Adaptation and resilience planning is based on rigorous, consistent, scientifically defined vulnerability assessments.



**Goal 3** Leadership, education and empowerment in government, community and business organizations fosters resilient implementation.



**Goal 4.** Strategic land-use zoning supported by resilient, sustainable construction standards increases community resilience and economic value.



**Goal 5** Resilient adaptation protects, preserves and restores thriving habitats and abundant wildlife.



**Goal 6** Public infrastructure, services and assets become more resilient through innovative best practices.



**Goal 7** Connected multimodal transportation network is resilient to extreme weather, reduces emissions and enhances equitable mobility and public safety.



**Goal 8** Food systems become more sustainable and resilient, and access to healthy foods is improved.



**Goal 9** Businesses prepare and recover quickly from impacts of extreme weather events and hazards



**Goal 10** Regional workforce is skilled and can rapidly adapt to changing conditions.

# CH 4 HIGHLIGHTS

*Housing, buildings, site design, land use, habitats, ecosystems, infrastructure, public services, transportation and food systems.*



- Regional Collaboration: Support place-based solutions through:
  - Build on the resources from the existing REACH program for affordable housing resiliency
  - Shoreline management guidelines
  - Green Infrastructure resources and workshops, best practices for stormwater management
- Local actions: Updates to local codes and design manuals to consider current and future impacts and improve air quality and public health outcomes.

# OBJECTIVE 5.1



***Increase the adaptability of coastal habitats and ecosystems to a changing climate.***

Regional Actions	
5.1.1	Support adoption of land management strategies such as <a href="#">rolling easements</a> , coastal construction setbacks and living shorelines to promote the long-term resiliency and diversity of critical habitats.
5.1.2	Develop metrics to measure citizen outreach (conducted in Goal 3) effectiveness on topics of potential impacts of climate change on coastal habitats, for example citizen engagement in habitat restoration volunteer projects and behavior changes to adopt recommended mitigation actions.
5.1.3	Support the implementation of the <a href="#">Tampa Bay Habitat Master Plan</a> .
Local Actions	
5.1.4	Support the implement of the Critical Coastal Habitat Assessment monitoring at permanent transects to track long-term changes from climate change and other stressors to coastal habitats and species.
5.1.6	Incorporate the actions of the Comprehensive Conservation and Management Plan for Tampa Bay (CCMP) into their Comprehensive Plan using the CCMP <a href="#">Model Language Guidelines</a>
5.1.7	Maintain and enhance stopover areas for migratory species.

## Partners

Local governments, Tampa Bay Estuary Program (TBEP), Southwest Florida Water Management District (SWFWMD), USFWS, FDEP, academic institutions, FWC, NOAA, The Nature Conservancy, Restore America’s Estuaries,

**Co-benefits:** Environmental Quality, GHG Reduction, Water Quality

**Related Actions:** Actions 6.3.1, 6.4.1

**Linkages:** Growth Management, Coastal Habitats

# OBJECTIVE 5.2

**Improve or maintain quality water from various sources resulting in fishable, swimmable and drinkable water.**

Regional Actions	
5.2.1	Support research to better quantify the sources, pathways and contribution of atmospheric deposition to stormwater runoff, especially in urban areas with extensive impervious surfaces.
5.2.2	Support outreach to the public about the link between air and water quality and foster behavior changes that reduce air pollution.
Local Actions	
5.2.3	Implement the Tampa Bay nutrient management strategy.
5.2.4	Implement buffers or transition zones between uplands and aquatic systems to remove pollutants and excess nutrients delivered by urban stormwater.

## Partners

Local governments, Tampa Bay Estuary Program (TBEP), private developer, TBARTA, Transportation planning agencies, MPOs

**Co-benefits:** Water Quality, Public Health, GHG Reduction, Environmental Quality

**Related Actions:** Actions 6.3.1 (carbon sequestration resources), 6.4.1 (forestry master plan)

**Linkages:** Clean Energy, Coastal Habitats, Infrastructure

# OBJECTIVE 5.3



**Preserve and restore the diversity and abundance of Tampa Bay’s fish and wildlife.**

Regional Actions	
5.3.1	The TBRPC will partner with the Tampa Bay CRS user group to identify opportunities for member governments to get CRS credit for Floodplain Species Assessments (512c).
Local Actions	
5.3.2	Map critical habitats and limit development near critical habitats.
5.3.3	Support programs and projects that project and expand habitats and buffer zones for waterbirds and beach-nesting shorebirds

Partners
Agency on Bay Management, Local governments, Audubon Florida, FDEP, EPCHC, TBEP, Tampa Bay Watch, CRS user group, Port Tampa Bay, USACE, USFWS, FWC, Eckerd College

**Co-benefits:** Environmental Quality, Water Quality

**Related Actions:** Action 2.1.5 (environmental vulnerability assessment)

**Linkages:** Coastal Habitats, Growth Management, Shorelines

# OBJECTIVE 5.4

**Support the protection and restoration of coastal natural systems and the creation of living shorelines at the regional scale.**

Regional Actions	
5.4.1	The TBRPC and Coalition Partners will develop policy guidance and recommendations to support regionally consistent shoreline protection practices, and share recommendations with elected officials. Encourage interagency and public process efforts to create shoreline plans for coastal areas including consistent heights.
Local Actions	
5.4.2	Conserve existing natural coastal and riverine areas through implementation of policies, criteria, standards, methodologies, and procedures.
5.4.3	Use the <a href="#">Living Shoreline Suitability Model</a> and other tools to identify locations within the jurisdiction where living or enhanced shorelines could be used in place of, or in combination with, seawalls.
5.4.4	Update plans, zoning and regulations to encourage private property owners to install living shorelines where feasible.

## Partners

Agency on Bay Management, Local governments, TBEP, FDEP, academic institutions

**Co-benefits:** Environmental Quality, Water Quality

**Related Actions:** Action 4.5.2 (adaptation action areas)

**Linkages:** Growth Management, Coastal Habitats, Infrastructure, Site Development

# OTHER NOTABLE ACTIONS

Regional Actions	
2.2.3	TBRPC, with grant funding, will conduct a region-wide study to quantify and visualize greenhouse gases emitted by non-municipal sources, identify areas with poor air quality that impact nearby communities and enable decision making to reduce emissions.
3.2.1	The TBRPC will coordinate ongoing presentations for Elected Officials on new topics aligned with the objectives of the RRAP.
6.3.1	The TBRPC will collect best practices and provide online resources for green infrastructure, ground water usage, stormwater management, fuel reduction, and carbon sequestration.

# FALL STAKEHOLDER INPUT



- September ABM
  - Feedback collected at and following the meeting. Please email [cara@tbrpc.org](mailto:cara@tbrpc.org) to provide feedback.
- September Steering Committee
  - September 13<sup>th</sup> meeting will focus on ranking the highest priority regional collaboration actions.
- September MPC meetings:
  - **Meeting 1: Thursday September 16<sup>th</sup>, 9:30 AM – 11:30 AM.** This meeting will focus on Goal 5 (Habitats & Ecosystems). [Register Here](#).
  - **Meeting 2: Friday September 17<sup>th</sup>, 1:00 PM – 4:00 PM.** This meeting will focus on Goals 3 (Governance/Finance), 4 (Buildings, Housing, Growth Management), and 6 (Infrastructure). [Register Here](#).
  - **Meeting 3: Friday September 24<sup>th</sup> 1:00 PM – 3:00 PM.** This meeting will focus on Goal 7 (Transportation). [Register Here](#).

# THANK YOU!

[WWW.TBRPC.ORG/RESILIENCYPLAN](http://WWW.TBRPC.ORG/RESILIENCYPLAN)

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