



Update on the Peril of Flood Project: Housing and Community Redevelopment Areas

One Bay Meeting April 4, 2019

The Peril of Flood 2018-19 Project



The TBRPC in partnership with Manatee County

**Conduct Technical Training and Education Support
for Local Governments
to Address the Peril of Flood Requirements
2018 grant from the Florida Resilient Coastlines Program
in the Florida Coastal Office of DEP with funding from
NOAA's Florida Coastal Management Program**



Project Team

- Heather Young and CJ Reynolds TBRPC
- Jerry Murphy, UF Resilient Communities Initiative
- Manatee County – Rob Brown, Nicole Knapp, Diana Robinson, Lea Harper, Damon Moore, Jeffrey Ryan
- Mark Hafen, USF
- Nature-Based Adaptation -- Thomas Ries, Environmental Science Associates, Laura Geselbracht, The Nature Conservancy
- Housing Team – TB announced next month



Peril of Flood

(f) A redevelopment component that outlines the principles that must be used to eliminate inappropriate and unsafe development in the coastal areas when opportunities arise.

The component must:

1. Include development and redevelopment principles, strategies, and engineering solutions that reduce the flood risk in coastal areas which results from high-tide events, storm surge, flash floods, stormwater runoff, and the related impacts of sea-level rise.
2. Encourage the use of best practices development and redevelopment principles, strategies, and engineering solutions that will result in the removal of coastal real property from flood zone designations established by the Federal Emergency Management Agency.
3. Identify site development techniques and best practices that may reduce losses due to flooding and claims made under flood insurance policies issued in this state.

Peril of Flood-cont.

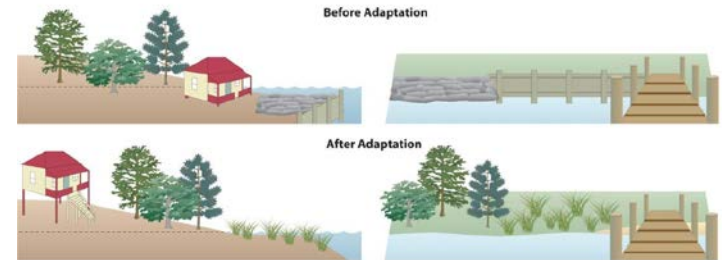
4. Be consistent with, or more stringent than, the flood-resistant construction requirements in the Florida Building Code and applicable flood plain management regulations set forth in 44 C.F.R. part 60.
5. Require that any construction activities seaward of the coastal construction control lines established pursuant to s. [161.053](#) be consistent with chapter 161.
6. Encourage local governments to participate in the National Flood Insurance Program Community Rating System administered by the Federal Emergency Management Agency to achieve flood insurance premium discounts for their residents.

Project Overarching Goals

1. Increase local governments' ability to integrate nature-based adaptation, low-impact design, and considerations for affordable housing resiliency and Community Redevelopment Areas into comprehensive plans to address requirements of the 2015 Peril of Flood legislation.
2. Support the Tampa Bay Regional Resiliency Coalition efforts to increase knowledge sharing and collaboration.
3. Increase awareness among stakeholders and residents.

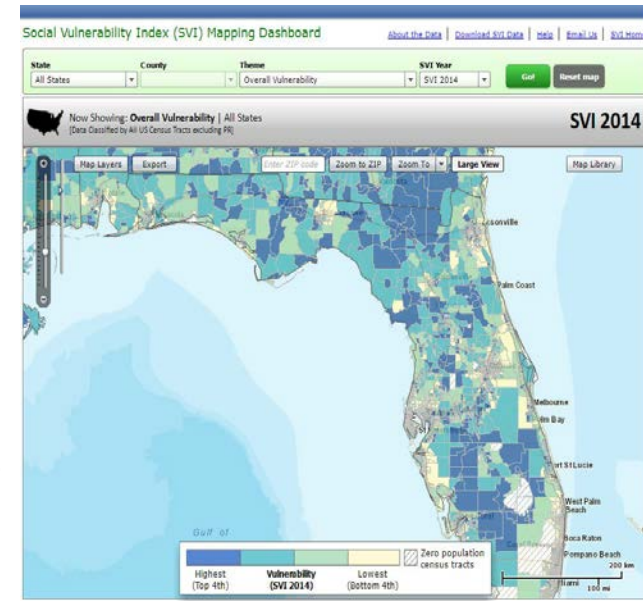
Resilience POF Projects

1. Survey of plan status, training interests (11/18)
2. Vulnerability assessment checklist (12/18)
3. Nature-based adaptation (03/21/19)
4. Manatee County Workshop (04/30/19)
5. Workshop to on Affordable housing and vulnerable populations (June)
6. Meetings with CRAs in Counties (June)
7. TBRPC distributes Report/Resources (August)



Integrating Social Vulnerability Mapping Workshop

- TBRPC (early June) 1-day training workshop for local governments to integrate social vulnerability factors into long-term climate and sea level rise (SLR) vulnerability assessments.
- The CDC's [Social Vulnerability Index \(SVI\)](#) interactive mapping tool indicates relative vulnerability of each U.S. Census tract.
 - Ranking 15 social factors and groups into 4 themes.
- Evaluate indicators of social vulnerability and map public assets
- Local governments and stakeholder organizations can discuss resilience strategies, *that consider social, economic, and cultural conditions.*



Community Redevelopment Areas

- Under Florida law (Chapter 163, Part III), local governments are able to designate areas as Community Redevelopment Areas (CRA) when certain conditions exist.
- Examples of conditions that can support the creation of a Community Redevelopment Area include, but are not limited to: the presence of substandard or inadequate structures, a shortage of affordable housing, inadequate infrastructure, insufficient roadways, and inadequate parking.
- All monies collected by the CRAs to finance CRA activities are locally generated. CRAs are not overseen by the state.
- Redevelopment plans must be consistent with local government comprehensive plans.
- Florida Development Association -- <http://redevelopment.net/cra-resources/q-a-for-cras/>

Resilient Affordable Housing and CRAs meetings

- Working with County Partners – June dates/locations to be announced
- Meetings with housing policy experts, County and municipal agency and CRA directors to review new SLR and storm risks, discuss public and private housing vulnerability, planning and finance perspectives, and needs.
- Identify opportunities to: 1) increase collaboration; 2) address specific priorities and data needs; and 3) provide recommendations to integrate long-term climate mitigation and resilient adaptation objectives into Housing and CRA plans.
- Other goals: recommendations for resilience-social equity principles.



Visual provided by Patrick Andrews

Ideas? Comments?

- <https://docs.google.com/forms/d/e/1FAIpQLSfzh1iM7NDEWYKRLQaQzRsEEeR-QPoWb2fmdFUhrUEusJRVTA/viewform>



Developing the Roadmap for the Regional Resilience Coalition

One Bay Meeting April 4, 2019

The Resilience Coalition

Current Local Governments

Counties:

1. Citrus County
2. Hernando County
3. Hillsborough County
4. Manatee County
5. Pasco County
6. Pinellas County



Municipalities:

1. Clearwater
2. Dunedin
3. Gulfport
4. Indian Rocks Beach
5. Indian Shores
6. Largo
7. Madeira Beach
8. New Port Richey
9. Oldsmar
10. Palmetto
11. Reddington Beach
12. Safety Harbor
13. Sarasota
14. Seminole
15. South Pasadena
16. St. Petersburg
17. St. Pete Beach
18. Tampa
19. Tarpon Springs
20. Treasure Island

Coalition Structure

Steering Committee – elected officials on the TBRPC board

Management and Planning Committee – staff in local government and multi-jurisdiction agencies

Resiliency Coalition Partners – Stakeholder organizations, businesses, civic, associations, universities

One Bay – continues to meet, special topics advisors, individuals can sign up as Partner <http://www.tbrpc.org/coalitionpartner/> and serve on Workgroups

MOU Goals and Objectives

SECTION 2: Regional Cooperation

work together to maximize efforts to mitigate and adapt to the effects of sea-level rise by:

- a) identifying vulnerabilities to the effects of climate change in communities;
- b) identifying common vulnerability assessment methodologies;
- c) planning for mitigation and adaptation actions that will enhance resiliency of their communities;
- d) learning from each other and prior efforts and planning documents;
- e) leveraging resources; and
- f) pursuing public private partnerships.



MOU Goals and Objectives

SECTION 3: Regional Resilience Action Plan

- a) shall include strategies for coordinated regional preparation for and adaptation to a rapidly changing global environment based on mapping of projected sea-level rise and resulting amplification of localized impacts of hurricanes and tropical storms,
- b) shall identify funding strategies at the local, state and federal levels for mitigation and adaptation actions to deal with those impacts.



MOU Goals and Objectives

SECTION 4. Science Based Decisions

- a) base strategies and actions on sound science and technical data,
- b) work together to identify experts for guidance
- c) shall use the regional recognized sea-level rise projections produced by the Tampa Bay Climate Science Advisory Panel
- d) provide guidance on what sea-level rise projections should be incorporated into local planning efforts



MOU Goals and Objectives

SECTION 5. Legislative Strategy

- develop legislative strategy which includes a joint position statement recognizing the vulnerabilities, securing enhanced levels of federal participation, and funding in regional adaptation and mitigation programs

SECTION 6. Community Involvement

- engage and involve local businesses, organizations, associations and individuals in developing policies and recommendations which will have the support and commitment of community members and organizations, which is essential for successful implementation.



Desired Initial Work Products

A Unified Sea Level Rise Projection for the Tampa Bay Region

Tampa Bay Regional Resiliency Coalition



Scientific Analysis and
Recommendations by the
Climate Science Advisory
Panel (CSAP)

ANALYSIS OF THE VULNERABILITY OF THE TAMPA BAY REGION TO SEA LEVEL RISE

Tampa Bay Regional Resiliency Coalition



TAMPA BAY REGIONAL RESILIENCY ACTION PLAN

A report by the
Tampa Bay Regional Resiliency Coalition



Model for Success

Rockefeller 100 Resilient Cities Evaluation --“Institutionalize” Resilience in Local Governments

1. Dedicated resilience staff (Chief Resilience Officer or lead/coordinator)
2. Implement cross-sectoral and multi-jurisdictional planning
3. Reduce operational silos
4. Increase consistency among internal plans
5. Active, ongoing commitment from elected leaders
6. Involve partners from civil, private, and multilateral-sector organizations
7. Change capital improvement budget review procedures
8. Leverage funds for resilience-building efforts

Initial Workgroups to Build the Foundation

Coalition Priority (partial list)	Workgroup
identify common vulnerability assessment methodologies (MOU)	Risk & Vulnerability Assessment
identify vulnerabilities to the effects of climate change in communities (MOU)	Risk Vulnerability Assessment
use SLR projections produced by the Climate Science Advisory Panel (MOU)	Planning & Policy
provide guidance on what sea-level rise projections should be incorporated into local planning efforts (MOU)	Planning & Policy
Change capital improvement budget review procedures (RCC)	Capital Improvement & Finance
integrate climate goals and commitments into operations and investments (ISC)	Capital Improvement & Finance
Institutionalize resilience, reduce operational silos, increase consistency among internal plans (RCC)	Municipal Excellence

Proposed Workgroups

2019-2020 Foundation Building

Risk &
Vulnerability
Assessment

Capital
Improvement &
Finance

Data
Management

Planning
& Policy

Municipal
Excellence

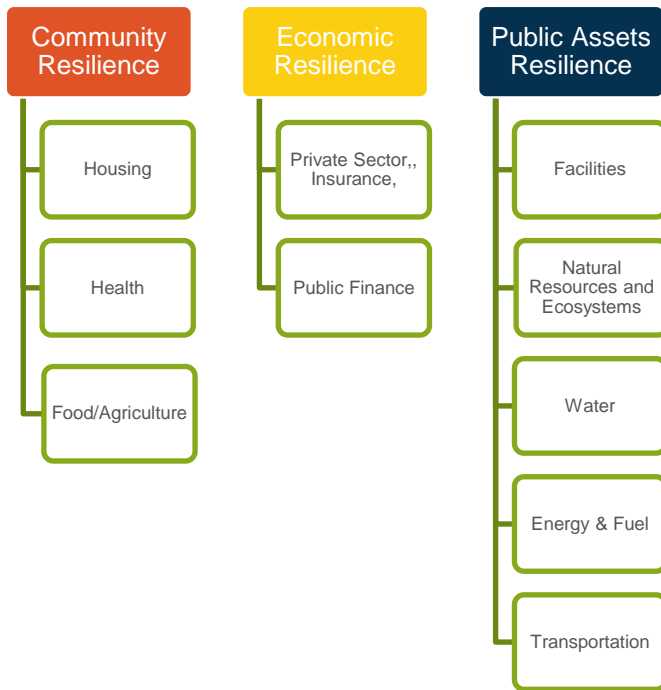
Com. &
Engagement

Coalition Workgroups include Staff and Partners

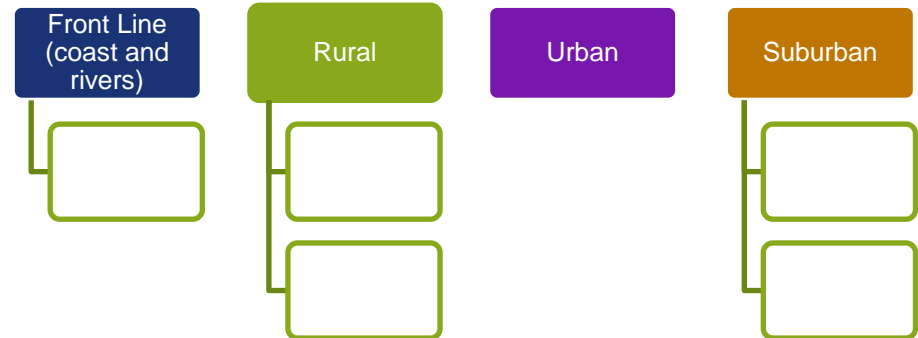
Future Example Workgroups

Summer and Fall Workshops and meetings to define the next level of Workgroups to Support Strategic Adaptation Planning, Mitigation and Effective Stakeholder Engagement

Sectoral Example



Land-use or Spatial Example



Developing the Framework

The Coalition and Regional Resilience Plan will provide guidance and support for local planning and implementation

1. Development of consistent objectives, goals, policies
2. Aligns with existing plans, requirements (i.e. Comp Plan elements, Post-Disaster Redevelopment, Economic Development, Capital Improvement, CRS program, LMS, Tampa Bay CCMPs etc.)
3. Addresses state requirements
4. Integrates resilience goals used by federal agencies/funders (i.e. HUD, FEMA, EPA)
5. Includes best practices and metrics from established certification programs
6. Integrates social vulnerability and equity across programs

Meeting -- Regional SLR Scenarios

May 2, 10:00-12:00

Climate Science Advisory Panel (CSAP) led by Libby Carnahan will present updated, regionalized projections, using the NOAA 2017 data

TBRPC will discuss Cat 2 and Cat 3 storm surge, rain events

MPC and other will discuss guidance documents and process needed to support adoption into local government plans

Partners

sign-up on the TBRPC Website

<http://www.tbrpc.org/coalitionpartner/>



Participate in the Tampa Bay Regional Resiliency Coalition

Local elected officials — through the Tampa Bay Regional Planning Council — have recently formed a Tampa Bay Regional Resiliency Coalition to increase collaboration on resilience planning to address extreme weather and future climate risks. Organizations working in Citrus, Hernando, Pasco, Pinellas, Hillsborough, Manatee, and Sarasota counties are invited to participate. By becoming a Resiliency Coalition Partner, your organization will have the opportunity to provide input on community vulnerability and empowerment, housing, energy resiliency, green infrastructure, and business resiliency. Read the [backgrounder](#) and the [Memorandum of Understanding](#) to learn more.

Sign up to Become a Resiliency Coalition Partner

As a Resiliency Coalition Partner, your organization will be invited to meetings and webinars to discuss local risks, priorities, and strategies. You will be a part of important efforts which will advance resiliency planning, identify best practices, innovative policies and funding opportunities in our communities.

Interested but would like more information before signing up? Please contact Susan Glickman, who is the Chair of the Tampa Bay Regional Resiliency Coalition Partners, at susan@cleanenergy.org or CJ Reynolds at cjreynolds@tbrpc.org.

Ideas? Comments?