

Increasing Resiliency In Tampa Bay Communities

Presentation to Manatee Council of Governments
January 29, 2019

New Resilience Project



The TBRPC in partnership with Manatee County

**Grant to develop
Technical Training and Education for Local Governments
to Address the *Peril of Flood Requirements***

**Managed by the Florida Resilient Coastlines Program
in the Florida Coastal Office of DEP with funding from
NOAA's Florida Coastal Management Program**



Peril of Flood Project Team

Project manager: Heather Young, TBRPC,
heather@tbrpc.org



- Jerry Murphy, UF/FRCI, jerry@murphyplanning.com
- CJ Reynolds, TBRPC, cjreynolds@tbrpc.org
- Manatee County Staff – John Osborn, Rob Brown, Diana Robinson, Nicole Knapp Lea Harper, Jeff Ryan, and many others!
- Mark Hafen, USF Urban planning



Regional SLR: What We Are Facing

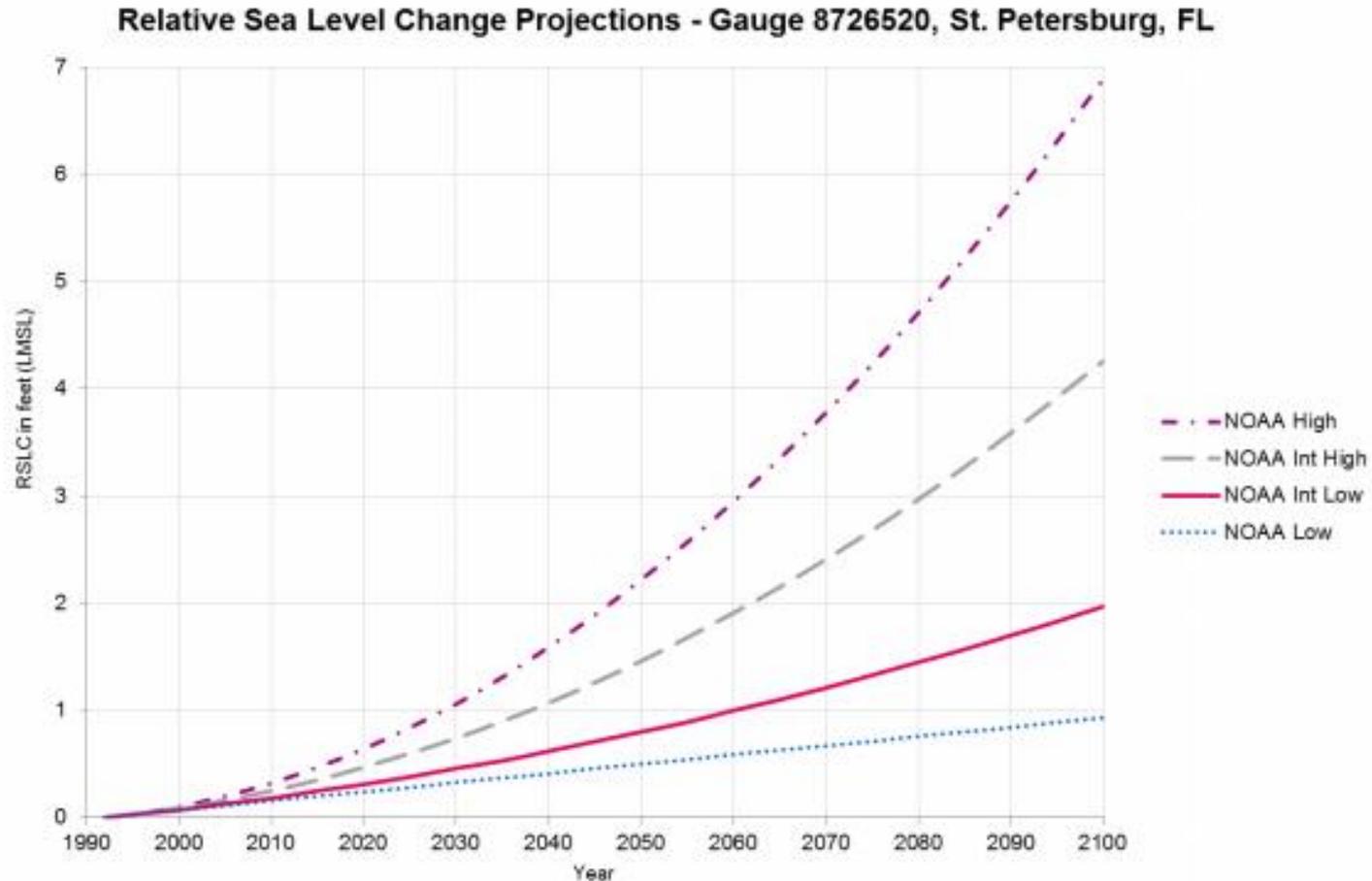


Figure 3. Graphic Relative Sea Level Change (RSLC) Scenarios for St. Petersburg, Florida, as calculated using the NOAA projections and regional corrections. (USACE, 2015)

Florida

Peril of Flood—F.S. §163.3178(2)(f) (2015)

(f) A redevelopment component ~~that which~~ outlines the principles that must ~~which shall~~ 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 . . . from . . . related impacts of sea-level rise.
2. Encourage . . . the removal of coastal real property from [FEMA] flood zone designations.
3. Site development techniques and best practices [to] reduce [flood] losses [and] flood insurance claims.
4. [C]onsistent with, or more stringent than, the Florida Building Code and [FEMA] flood regulations 44 C.F.R. part 60.
5. Construction seaward of the coastal construction control lines must be consistent with chapter 161.
6. Encourage local governments to participate in the NFIP CRS to achieve flood insurance premium discounts for their residents.

Florida Resilient Coastlines Program



Provides framework to develop or update an existing adaptation plan based on current Florida law, requirements and recommendations.

Appendix contains specialty topics, (cultural and natural resources), sample vulnerability assessments and adaptation plans.

<https://floridadep.gov/fco/florida-resilient-coastlines-program/documents/adaptation-planning-guidebook>

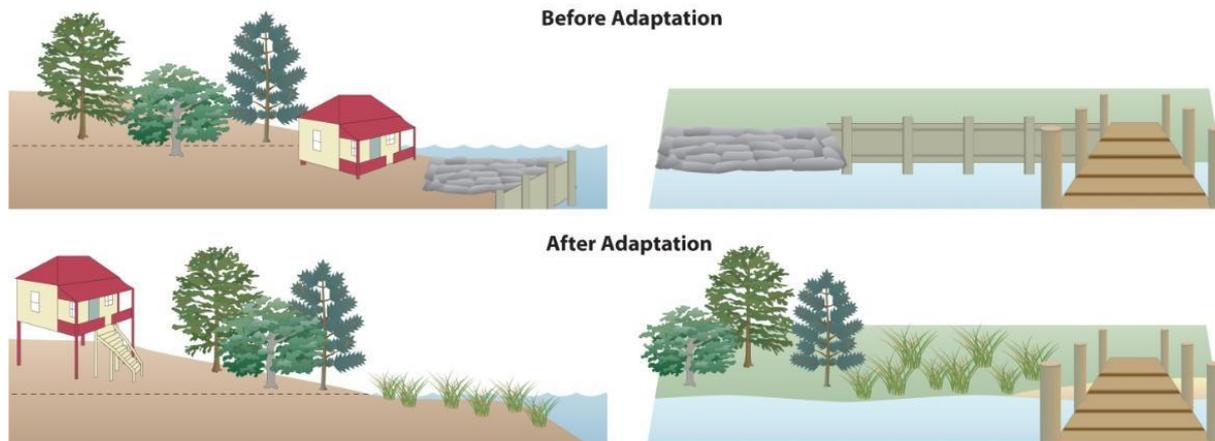
Project Overarching Goals

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

Engineering with Nature

Green-Infrastructure and Nature-based Resiliency Strategies Workshops:

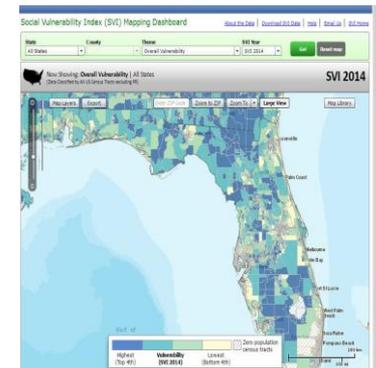
- Identify local opportunities for implementing green infrastructure, codes, and steps for conducting community assessments to document potential of natural assets.



Social and Housing Vulnerability

- **Social Vulnerability Mapping Workshop:** integrate social vulnerability factors with climate change and sea level rise (SLR) vulnerability assessments.
 - Encourages a team approach, uses the CDC interactive tool [Social Vulnerability Index \(SVI\)](#).
- **Resilient Affordable Housing and CRAs meetings:** meetings with Housing Agency Directors and experts, CRA directors to discuss public and private housing vulnerability, planning and finance perspectives, and needs.

[United Way ALICE report](#)
[CDC Climate Ready States & Cities – BRACE](#)



Project Activities

Key Tasks from Oct 2018 to May 2019

1: Create Best Practices Checklist aligned to federal, state agencies, and leading adaptation plans; implement survey to assess municipal program status and training needs

2: Conduct Webinar and Workshops tools training on Integrated Vulnerability Assessments & Green Infrastructure (Feb)

3: Hold Workshops and Meetings to integrate Affordable Housing Agencies and CRAs into Resilience Planning & Map Social Vulnerability (March)

Task 4: Hold Manatee County 1-day Workshop focused on Manatee constraints and opportunities. (April)

Manatee County Workshop

- Strategies to support local plans, efforts
- Teams preparing sea level rise maps, flood assessments
- Content and location planning underway
- Will work closely with cities and local stakeholders
- Save the Date!

Thank You

Questions?