



Resilience Coalition Steering Committee

Nov. 8, 2021, 11:30 a.m.



AGENDA



Call to Order/Welcome

Roll call – CJ Reynolds

Executive Director

Regional Resilience Action Plan: Cara Serra and CJ Reynolds

Summit Updates

- **Venue Logistics, Wren Krahl**
- **Committee input on Topics/Draft Agenda, Sean Sullivan and CJ Reynolds**
- **Sponsor Discussion**

RRAP 10 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. The region supports a diverse array of multimodal-supporting land uses developed with resilient and energy efficient construction including sustainable and attainable housing.



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 Businesses and key sectors support innovation and workforce development that is resilient to changing climate conditions.

RRAP OUTREACH UPDATE



Expert Stakeholder Meetings Oct-Nov

- TBARTA
- USF Center for Urban Transportation & Research
- US Army Corps of Engineers
- US Green Building Council

Upcoming meetings

- SWFWMD
- Emergency Managers

TOP 5 REGIONAL ACTIONS



1. Create a Regional Resilient Land Use and Design working group which includes diverse stakeholders including local government staff, citizens, architects, engineers, developers and others to define best practices and recommendations for community health, resilience and quality of life.

2. The region leads the nation in developing an integrated (municipal and private) stormwater management plan, development incentives, strategies and metrics to prepare for increased frequency of heavy precipitation events to maintain water quality conditions (and associated seagrass coverage) to support habitat resilience.

3. Region works together to define GHG emissions and develops reduction goals for municipal operations, transportation and communities.

- Coordinate meetings with experts to implement regionally consistent GHG methodologies for key sectors.
- Collaborate with MPOs to implement a region-wide study to quantify and visualize emissions from transportation.
- Partner with member governments to identify vulnerable communities with high emissions exposure to support targeted mitigation.

4. Create regionally coordinated electric vehicle charging station infrastructure support the development of a regional Electric Vehicle Master Plan (EVMP) in alignment with the FDOT EVMP.

5. Establish a Resilient Neighborhoods Initiative, with partners and communities, to support the implementation of best practices and create programs and funding mechanisms (mini-grants) for neighborhoods/non-profits to increase outreach and mitigation activities.

REGIONAL ACTIONS



Chapter 1 - Goal 1 Community Resiliency is at the top of the Public Agenda and sustained with science and data

1. Lead the region to define specific climate change indicators and impact indicators that will be monitored to support planning.
2. Convene region-wide data work groups to support consistency and best practices in mapping, visualizing and communicating climate risks and impacts to key audiences.
3. Partner with local organizations to provide training and facilitate discussions with local governments on using new climate risks and impacts indicator data.



Hurricane Intensity



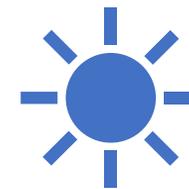
Sea Level



Precipitation



Ocean Acidification



Air Temperature

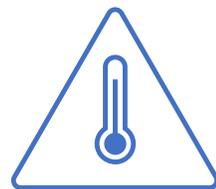


Water Temperature

REGIONAL ACTIONS

Chapter 2 - Goal 2 Adaptation and resilience planning strategies are based on rigorous, consistent, scientifically defined vulnerability assessments

4. Support the development, availability and use of advanced tools, modeling and data which enhances local vulnerability analyses (e.g. high resolution impervious data and terrestrial LiDAR).
5. The region collaborates on defining risks and increasing food systems resilience to hazards (extreme weather, pandemic, etc.) to support communities and local agriculture.
6. Reevaluate assimilative capacity of Tampa Bay given changing rainfall/temperature. Consider further reductions in nutrient loading that may be necessary to maintain water quality conditions (and associated seagrass coverage).
7. To reduce impacts of extreme heat, the region conducts heat mapping efforts to guide implementation of projects that support equitable, cool communities.



Climate Hazard
Vulnerability



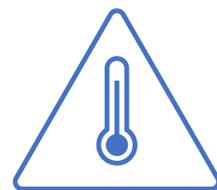
Community
Vulnerability

Social Vulnerability

REGIONAL ACTIONS

Chapter 2 - Goal 2 Adaptation and resilience planning strategies are based on rigorous, consistent, scientifically defined vulnerability assessments

8. Establish a community health and equity advisory board to define specific health impact indicator data, equity metrics and develop recommendations to strengthen resilience and sustainability outcomes.
9. Region works together to define GHG emissions and develops reduction goals for municipal operations, transportation and communities.
 - Coordinate meetings with experts to implement regionally consistent GHG methodologies for key sectors.
 - Collaborate with MPOs to implement a region-wide study to quantify and visualize emissions from transportation.
 - Partner with member governments to identify vulnerable communities with high emissions exposure to support targeted mitigation.
10. Convene the region to discuss the local impacts of changes to homeowner's flood insurance (NFIP) and identify potential education and mitigation support for at-risk populations.



Climate Hazard
Vulnerability



Community
Vulnerability

Social Vulnerability

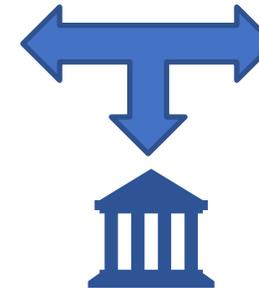
REGIONAL ACTIONS

Chapter 3 - Goal 3 Promote leadership, education and empowerment in government, community and business organizations to foster the implementation of resiliency strategies.

11. The TBRPC local government partners will support to encourage the implementation of local and regional resiliency priorities by coordinating knowledge sharing sessions with Elected Officials and staff on critical issues and key topics aligned with the objectives of the RRAP.
12. Convene annually to discuss major resilience adaptation projects, funding needs, and develop a plan for engaging state legislators to ensure that state programs support local needs.
13. Establish a Resilient Neighborhoods Initiative, with partners and communities, to support the implementation of best practices and create programs and funding mechanisms (mini-grants) for neighborhoods/non-profits to increase outreach and mitigation activities.
14. Lead development of regionally consistent flood maps, education programs and disclosure for key audiences: real estate agents, property buyers, homeowners, and renters. (local example: Pinellas County)



**Financial
Capacity**



**Local Government
Capacity**



**Neighborhood
Capacity**

REGIONAL ACTIONS

Chapter 4 - Goal 4 The region supports a diverse array of multimodal-supporting land uses developed with resilient and energy efficient construction including sustainable and attainable housing.

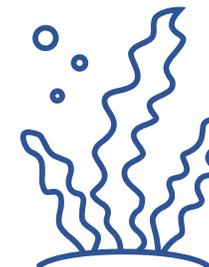
15. Convene partnership among area utilities, housing advocates, public health agencies, designers and other stakeholders to discuss barriers and solutions.
16. Build coalition with housing agencies and advocates to discuss and advocate for sustainable public housing solutions
17. Create a Regional Resilient Land Use and Design working group which includes diverse stakeholders including local government staff, citizens, architects, engineers, developers and others to define best practices and recommendations for community health, resilience and quality of life.



REGIONAL ACTIONS

Chapter 4 - Goal 5 Resilient adaptation protects, preserves and restores thriving habitats and abundant wildlife.

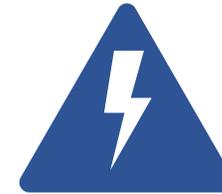
18. Support the Tampa Bay Habitat Master Plan goals of restoring more than 3,000 acres of wetlands and uplands in the next decade to promote the long-term resiliency and diversity of critical habitats through implementation of local policies and land-management strategies.
19. Support the implementation 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.
20. Support adoption of the uniform sea wall and bulkhead heights defined in the Shoreline Model Ordinance to provide protection against future sea level rise and high tide flooding through 2070.
21. Create design/construction standards and shoreline overlay district recommendations to expedite private property owner efforts to implement resilient shoreline projects.



REGIONAL ACTIONS

Chapter 4 - Goal 6 Public infrastructure, services and assets become more resilient through innovative best practices.

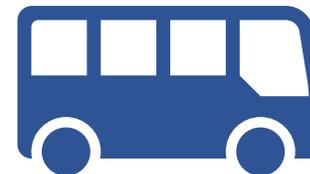
22. The TBRPC coordinates resilient redesign education and planning assistance to support local development of innovative flood mitigation projects and equity goals.
23. The region leads the nation in developing an integrated (municipal and private) stormwater management plan, development incentives, strategies and metrics to prepare for increased frequency of heavy precipitation events to maintain water quality conditions (and associated seagrass coverage) to support habitat resilience.



REGIONAL ACTIONS

Chapter 4 - Goal 7 The Region will have connected multimodal transportation network that is resilient to extreme weather, reduces local emissions, reduces automobile congestion and enhances equitable mobility and public safety.

24. Create regionally coordinated electric vehicle charging station infrastructure support the development of a regional Electric Vehicle Master Plan (EVMP) in alignment with the FDOT EVMP.
25. Support effective coordination on community improvements alongside roadway adaptation by hosting meetings to discuss for transportation planning staff to integrate roadway adaptation improvements coordinated with development standards
26. Identify federal and state grants and other funding mechanisms to implement electric vehicle infrastructure.



REGIONAL ACTIONS



Chapter 4 - Goal 8 Food systems become more sustainable and resilient, and access to healthy foods is improved.

27. Coordinate with member governments to develop a food resiliency and sustainability plan.
28. The TBRPC will work local, regional, state and federal agencies, USF, UF Sea grant, NOAA and St. Pete Ocean Team to define future impacts to regional fisheries and aquaculture businesses and define potential strategies to increase economic resilience to extreme weather and climate change.



Chapter 5 - Goal 10 Businesses and key sectors support innovation and workforce development that is resilient to changing climate conditions.

29. The region and industry/business leaders collaborate to define local needs and opportunities for services needed for climate adaptation and mitigation such as retrofitting buildings, designing stormwater systems that incorporate new technology, installing solar panels, constructing transit lines, maintaining wind turbines, installing rain gardens, researching new and emerging renewable technologies.
30. The region will conduct a cost-benefit analysis of energy efficiency investments.



NEIGHBORHOOD & HOUSING ACTIONS

UPDATED REGIONAL ACTIONS (NEIGHBORHOOD):

- Establish a Resilient Neighborhoods Initiative, with partners and communities, to support the implementation of best practices and create programs and funding mechanisms (mini-grants) for neighborhoods/non-profits to increase outreach and mitigation activities.

UPDATED REGIONAL ACTIONS (HOUSING)

- Convene partnership among area utilities, housing advocates, public health agencies, designers and other stakeholders to discuss barriers and solutions.
- Build coalition with housing agencies and advocates to discuss and advocate for sustainable public housing solutions

NEW LOCAL ACTIONS (NEIGHBORHOOD):

- Continue to monitor flood complaints and flood loss records for full jurisdiction and consider strategic acquisitions of any recurring flood loss properties in the future.
- Consider incorporating Sea Level Rise projections, areas of impacts, and types of impacts into routine outreach to improve general public awareness.



Image Source: Tampa Magazine

STORMWATER ACTIONS

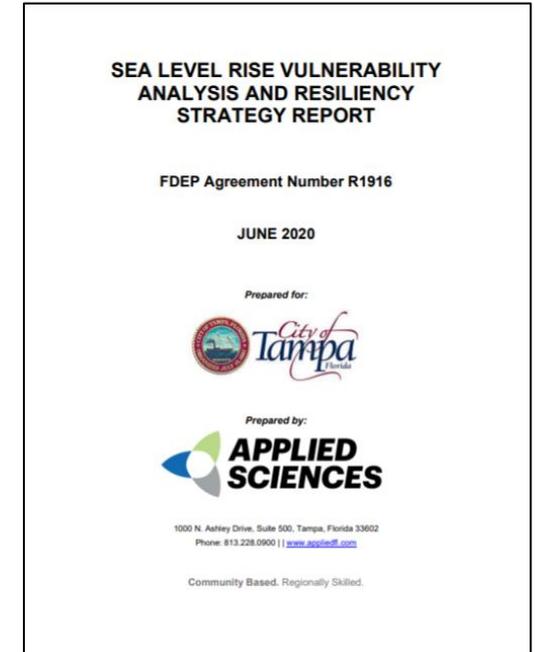


NEW REGIONAL ACTION:

- Support adoption of the uniform sea wall and bulkhead heights defined in the Shoreline Model Ordinance to provide protection against future sea level rise and high tide flooding through 2070.
- The region leads the nation in developing an integrated (municipal and private) stormwater management plan, development incentives, strategies and metrics to prepare for increased frequency of heavy precipitation events to maintain water quality conditions (and associated seagrass coverage) to support habitat resilience.

NEW LOCAL ACTIONS:

- Consider setting minimum roadway elevation standards for future design and redevelopment. For example, a standard could be set consistent with roadways adjacent to tidal areas to have a minimum elevation consistent with seawall elevations.
- Conduct a detailed stormwater outfall inventory. SLR conditions will reduce the capacity of most outfalls and therefore limit their ability to receive and handle stormwater runoff. This should include outfall sizes, material, and condition to accurately assess vulnerability on a site-specific basis.
- Install tide gates/ backflow preventers on piped outfalls. Consider setting a minimum outfall pipe size, and replace undersized pipes over time as existing outfalls reach their useful life
- Create an inventory of existing seawalls within the jurisdiction which includes seawall ownership, material, condition, and elevation.
- Adopt a seawall ordinance that accounts for future SLR conditions and sets consistent standards for the jurisdiction. The TBRPC Shoreline Policy Guide can be used as a guide for this action.



[City of Tampa SLR VA and Resiliency Strategy](#)

SUMMIT Venue Update

April 5th-6th (Tuesday and Wednesday)

- Set up: round tables of 8-10
- Potential capacity: 400+
- Breaks in foyer with sponsors
- Cocktail reception

SUMMIT Agenda Update – Day 1



8:00 – 8:30	Check-in
8:30– 9:00	Welcome/ Council Chair and Committee Chair, State of the Region
9:00-10:30	Keynote Speaker & Networking Break
10:30–12:00	County Administrator Panel & Discussion
12:00–1:30	Lunch – Premier Sponsor Comments & US Sec. Energy (Keynote)
1:30–4:00	General Sessions (2) RRAP Input Session, Networking Break
4:00–4:30	State of Florida Update: Resilience Planning, Policy and Investment
4:30-5:00	Highlights of 60 Years Anniversary
5:00–7:00	Reception Celebration

SUMMIT Agenda Update – Day 2



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| 8:30 – 9:00 | Welcome and Sponsor Remark |
| 9:00 – 10:00 | Mayors Panel |
| 10:00–12:00 | RRAP Top Priorities and networking break
-- 3 short panels on key topics |
| 12:00 –1:30 | Future of the Region Awards Luncheon |
| 1:30 – 4:30 | Mapping the Path Forward
Priority review, discussion, vote -- breakout sessions |

Input on Proposed Topics

Day 1

- Update on Risks – extreme heat and high tide flooding in 2030
- Insurance Changes and Impacts
- Clean Energy Commitments
- Transportation Electrification

Day 2

- Housing and Neighborhood Resilience
- Others

SPONSOR Overview

- Meetings with Cm. Long, \$120,000 estimated from past sponsors/new contacts
- Overview of Tiers
 - Premier – Verbal commitment from Duke
 - Future of the Region
 - Other top levels....
- Build on the 2020 Sponsor List
 - Avoid redundant calls
 - TBRPC to reach out to firms in January
 - Send Wren your proposed sponsor (spread sheet) by Dec. 3.

THANK YOU!

