



Management Planning Committee (Goal 3,4,6)

September 17, 2021





AGENDA

- **Welcome** – Cara and CJ 1:00 - 1:05
- **Walk Through of Priorities** – Cara 1:05 – 1:15
- **Prioritization Activity #1 (Goal 3)** Breakout Groups 1:15 – 1:45
- **Report Out - Facilitators or Group Leads** 1:45 - 2:10
- **Break** 2:10 - 2:25
- **Walk Through of Priorities** – Cara 2:15 – 2:30
- **Prioritization Activity #2 (Goal 4 & 6)** Breakout Groups 2:30 – 3:00
- **Summarize Top Actions-** 3:00 – 3:30

GROUND RULES

- **Be present:** you are encouraged to use full screen and gallery view, close any non-working session apps on your computer
- **Practice democracy of time:** this includes active listening
- **Ask for clarity:** about Zoom, RRAP content, and anything else

MEETING OBJECTIVE

- Identify the “**must do**” actions for the next five years.
- Feedback will be used to:
 - **Streamline** multiple actions into one
 - Move lower priority actions to “parking lot”
 - Delete actions that are not in alignment with priorities
- Prioritize actions based on:
 - local and regional government staff time and capacity
 - resiliency work already being implemented throughout the region
 - regional priorities

RRAP INPUT MEETINGS



Management & Planning Committee

- **Thursday Sept. 16th, 9:30 AM – 11:30 AM.** Goal 5 (Habitats & Ecosystems). [Register Here.](#)
- **Friday Sept. 17th, 1:00 PM – 4:00 PM.** Goals 3 (Governance/Finance), 4 (Buildings, Housing, Growth Management), and 6 (Infrastructure). [Register Here.](#)
- **Friday Sept. 24th 1:00 PM – 3:00 PM.** Goal 7 (Transportation). [Register Here.](#)

OBJECTIVE 3.1

Local governments develop a local resiliency plan or update existing resiliency plans to include considerations of the impacts of current and future climate hazards on food systems and public health.

Local Actions	
3.1.1	Develop or update a resilience and sustainability plan to prepare for the impacts of current and future climate hazards.
3.1.2	Include considerations of the impacts of current and future climate hazards on local food systems in their jurisdiction's resiliency plan.
3.1.3	Include considerations of the impacts of current and future climate hazards on local public health in their jurisdiction's resiliency plan.
3.1.4	Include renewable and resilient energy goals, strategies and target dates for municipal operations and public facilities in their jurisdiction's resiliency action plan. These may include various timelines or target dates.

Partners

Local governments

Co-benefits: Public Health, Energy Security, Cost-Savings, Environmental Quality, GHG reduction, Equity, Water Quality

Related Actions: Action 7.2.4, 8.1.1, 8.1.2

Linkages: Agriculture/Food Systems, Clean Energy, Finance/Governance, Infrastructure

OBJECTIVE 3.2

Local governments maximize their ability to adapt to climate change through expanded internal capacity and cross-departmental coordination.

Regional Actions	
3.2.1	The TBRPC will coordinate ongoing presentations for Elected Officials on new topics aligned with the objectives of the RRAP.
3.2.2	The TBRPC and local governments develop the RRAP implementation matrix to identify annual progress on incorporation of RRAP actions.
Local Actions	
3.2.3	Local governments may synchronize the objectives of the jurisdiction’s resilience and sustainability plan with organization and department strategic plans, and other jurisdiction plans (Comprehensive Plan, emergency management plans, etc).
3.2.4	Local governments may identify a point person, team, or dedicated role, with specific resiliency credentials and specified resiliency duties to coordinate resiliency programs across departments.
3.2.5	Local governments can increase attention to floodplain management planning (staffing, grants etc).

Partners
Local governments, nonprofit partners, public health experts

Co-benefits: Cost-savings
Linkages: Finance/Governance

OBJECTIVE 3.3

Local governments, with support from the TBRPC incorporate adaptation and risk reduction strategies into local financial management practices.

Regional Actions	
3.2.1	The TBRPC will coordinate ongoing presentations for Elected Officials on new topics aligned with the objectives of the RRAP.
3.2.2	The TBRPC and local governments develop the RRAP implementation matrix to identify annual progress on incorporation of RRAP actions.
Local Actions	
3.2.3	Local governments may synchronize the objectives of the jurisdiction’s resilience and sustainability plan with organization and department strategic plans, and other jurisdiction plans (Comprehensive Plan, emergency management plans, etc).
3.2.4	Local governments may identify a point person, team, or dedicated role, with specific resiliency credentials and specified resiliency duties to coordinate resiliency programs across departments.
3.2.5	Local governments can increase attention to floodplain management planning (staffing, grants etc).

Partners
Local governments, TBRPC

Co-benefits: Cost-savings
Related Actions: 7.2.1, 7.2.2
Linkages: Finance/Governance

OBJECTIVE 3.4

Local governments with assistance from regional partners will develop consistency in communication and engagement for residents, businesses, and community organizations on the impacts of current and future climate impacts.

Regional Actions	
3.4.1	The TBRPC will convene LGs and partners to define best practices, encourage peer sharing and support development of a Resilient Neighborhoods Education Program and Toolkit. Concepts to include: pop-up flood information centers, walking flood risk audits and other best practices for engaging community partners and neighborhood leaders.
3.4.2	The TBRPC, LGs and partners identify funding for the implementation of a Resilient Neighborhoods Grant Program to locally implement the Resilient Neighborhoods Education initiatives. The Grant Program will be modeled after the TBRPC's Stormwater Outreach and Education Funding Program.
3.4.3	Support 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)
Local Actions	
3.4.4	Local governments provide education and information to the public and business community about potential hazards and property protection measures (i.e. events such as Hurricane Expo and general presentation to community group).

Partners

Local governments, TBRPC, SWFWMD, Florida Floodplain Managers Association (FFMA)

Co-benefits: Equity

Related Actions: Action 5.1.2, 6.3.4

Linkages: Community Capacity

OBJECTIVE 3.5

Establish partnerships and support existing community and business groups that enable stronger collaborations between communities and business organizations to better prepare for current and future climate impacts.

Local Actions	
3.5.1	Local governments can identify community-based organizations (i.e. chambers of commerce, urban leagues, neighborhood associations and/or neighborhood-based non-profit organizations) for potential partnerships and collaboration that support the implementation of the objectives of the jurisdiction’s resiliency plan.
3.5.2	To encourage diversity, equity and inclusion, local governments can establish a Citizen Leadership Academy that educates on resilience strategies that can be implemented at the neighborhood level (i.e. walking audits, pop ups, home repairs) and supports CRS program goals.
3.5.3	Local governments may continue to engage graduates of the citizens academy and solicit feedback from this group for future resilience planning.

Partners

Local governments, Neighborhood Associations, Neighborhood-based nonprofits, area-specific business organizations, private sector sponsors, Title 1 schools, TBRPC

Co-benefits: Equity

Linkages: Community Capacity

PRIORITIZATION ACTIVITY



Facilitated breakout groups. Facilitators will pose the following questions to attendees. Each breakout room will have a facilitator and a note taker.

- a) Which must we do as a region over the next five years? Why?
- b) Which actions are least likely to be implemented over the next five years?

BREAK



- **Will Return at 1:45 PM**

REPORT OUT



GOAL 3: Leadership, education and empowerment in government, community and business organizations fosters resilient implementation.

Chapter 3 - Goal 3	
3.2.1	The TBRPC will coordinate ongoing presentations for Elected Officials on new topics aligned with the objectives of the RRAP.
3.2.2	The TBRPC and local governments develop RRAP implementation matrix to identify annual progress on RRAP actions.
3.3.1	TBRPC will convene local governments to discuss regional funding priorities for adaptation and mitigation projects. TBRPC will support state level legislative action that aligns with regional funding priorities.
3.4.1	The TBRPC will convene LGs and partners to define best practices, encourage peer sharing and support development of a Resilient Neighborhoods Education Program and Toolkit. Concepts to include: pop-up flood information centers, walking flood risk audits and other best practices for engaging community partners and neighborhood leaders.
3.4.2	The TBRPC, LGs and partners identify funding for the implementation of a Resilient Neighborhoods Grant Program to locally implement the Resilient Neighborhoods Education initiatives. The Grant Program will be modeled after the TBRPC's Stormwater Outreach and Education Funding Program.
3.4.3	Support 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)

1. Which actions **must** we do as a region over the next five years? Why?
2. Which actions are **least likely** to be implemented over the next five years?

BREAK

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OBJECTIVE 4.1

Updated regulations, plans and policies increase the resilience of affordable and attainable housing.

Regional Actions	
4.1.1	Establish Intergovernmental coordination to recommend resilience and sustainability goals, policies, strategies that support retrofits and new construction that prioritize ALICE populations.
Local Actions	
4.1.2	Use REACH tools and resources to assess and update existing planning mechanisms and supporting documents and identify lower risk areas for building.
4.1.3	Develop programs, policies and flexible density options to incentivize development of private affordable housing and publicly assisted housing in areas with lower risk to current and future climate impacts.
4.1.4	Require more stringent building standards (parallel to HUD) for new private affordable housing and publicly assisted housing in areas at high risk to current and future climate impacts.
4.1.5	Amend plans and zoning to encourage accessory dwelling units, "missing middle" housing, and mixed-use buildings in areas with less risk to the impacts of current and future climate conditions.
4.1.6	Adopt policies to permit the use of appropriate properties for disaster recovery operations including temporary housing such as pre-approved overlay zones.

Partners

Local governments, Housing Authorities, Nonprofit Housing Developers, Private Housing Developers, Florida Housing Coalition (FHC)

Co-benefits: Affordability, Equity

Related Actions: Actions 2.3.1, 2.3.2, 2.3.3

Linkages: Housing

OBJECTIVE 4.2

Adopt resilient and green building best practices to guide new housing construction.

Local Actions	
4.2.1	Update local plans, programs and create incentives for developers to support new multi-family buildings and sites that meet Florida Green Building Coalition and/or LEED standards, and higher flood mitigation standards.
4.2.2	Strengthen comprehensive plan housing element to include standards for Low Impact Development, resilience, and equity strategies.
4.2.3	Align affordable housing with public transportation.

Partners

Local governments, Housing Authorities, Nonprofit Housing Developers, Private Housing Developers, Florida Housing Coalition (FHC), Urban Land Institute (ULI)

Co-benefits: Equity, Traffic Reduction, Walkable Cities, Water Quality

Related Actions: Actions 2.3.1, 2.3.2, 2.3.3

Linkages: Growth Management, Housing, Building Standards, Site Development

OBJECTIVE 4.3

Programs and funding for housing mitigation and rehabilitation are increased.

Local Actions	
4.3.1	Based on housing vulnerability assessments, identify property owners interested in rehabilitation, or selling their homes for voluntary rehabilitation or buyout programs funded by FEMA grant funding.
4.3.2	Identify and allocate reoccurring funding to support housing retrofits and achieve mitigation goals.
4.3.3	Support robust housing retrofit and rehabilitation programs for LMI communities, including rental properties and supported living housing.
4.3.4	Quantify flood risks for mobile homes and mobile home parks and develop targeted plans.
4.3.5	Conduct outreach and engagement with residents and mobile home unit/ park owners to review flood risks, collect information on needs, constraints and programs to support preparedness.
4.3.6	Define potential mitigation and redevelopment strategies to transform mobile and modular home parks into resilient communities, while preventing displacement.

Partners

Local governments, Florida Housing Coalition (FHC), United Way, nonprofit partners, FEMA (grant funding)

Co-benefits: Equity

Related Actions: Actions 2.3.1, 2.3.2, 2.3.3

Linkages: Growth Management, Housing, Building Standards, Site Development

OBJECTIVE 4.4

Update building and site development standards to account for current and future climate impacts.

Local Actions	
4.4.1	Use healthy building design, Florida Green Building Coalition principals, and/or LEED accreditation benchmarks for new public facilities, within the Land Development Code and Energy Code.
4.4.2	Encourage alternatives to single occupancy motor vehicle travel through parking reduction techniques, transit-oriented development incentives, and pedestrian and bike-friendly development and redevelopment policies.
4.4.3	Update existing regulations and policies to require development and redevelopment in high hazard areas to build to more stringent building standards including but not limited to higher freeboard requirements, and/or higher wind mitigation standards.
4.4.4	Implement regulations within Land Development Regulations buffer structures from the impact of flood hazards (sea level rise, storm surge, flooding) by requiring setbacks from identified flood hazards areas.
4.4.5	Implement regulations within Land Development Regulations buffer structures from the impact of wind hazards by requiring construction to exceed the requirements of the identified wind zone.
4.4.6	Incentivize parking and pavement reduction strategies for new development and redevelopment as a method of reducing heat island impacts.
4.4.7	Local governments update existing regulations and policies to require development and redevelopment in high hazard areas to build to more stringent site development standards including but not limited to Planned Unit Development (PUD).

Partners

Local governments, private developers

Co-benefits: Traffic Reduction, Walkable Cities, Increased Property Values, Energy Security, GHG Reduction

Linkages: Clean Energy, Growth Management, Transportation, Building Standards, Site Development

OBJECTIVE 4.5

Update land use policies and regulations to account for current and future climate impacts and discourage displacement.

Regional Actions	
4.5.1	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.
Local Actions	
4.5.2	Consider adopting <u>Adaptation Action Areas</u> to identify areas where more stringent development standards will be applied.
4.5.3	Consider best practices for updating coastal setbacks for development and redevelopment that mitigate the potential effects of coastal erosion including the possibility of requirements that are more stringent than the Florida Building Code.
4.5.4	Develop incentives for developers to build outside vulnerable areas (density bonuses, expedited review, etc.).
4.5.5	Prioritize recreation/open space land use amendments as a flood-risk reduction technique with an emphasis on providing amenities for neighborhood residents (play areas, walking paths, etc.)

Partners

Local governments, academic partners, private developers

Co-benefits: Walkable Cities, Water Quality

Related Actions: Action 2.1.6

Linkages: Growth Management, Building Standards, Site Development

OBJECTIVE 6.1

Plan, build and manage infrastructure to maximize function and longevity under future climate conditions.

	Local Actions
6.1.1	Update critical infrastructure policies based on community vulnerability assessments. These updates should consider where to prioritize investment based on current and future climate hazards, health impacts and equity concerns.
6.1.2	Comprehensive plan and/or post-disaster redevelopment plan (PDRP) identifies post-disaster redevelopment policies for infrastructure including but not limited to relocation/burying of utilities, installation of additional utilities such as broadband, and/or hardening infrastructure after a disaster.
6.1.3	Identify a process or mechanism to determine what infrastructure/areas may not be upgraded or mitigated at a certain time or impact. Reference previous data/information developed on stormwater and cost/benefit analysis in this analysis.
6.1.4	Promote and advocate for the installation of cool roofs, cool pavement, and other cooling techniques, including planting more shade trees, where concrete and other hard surfaces trap and collect heat, creating “heat islands “and near bus stops.
6.1.5	Develop a comprehensive heat island mitigation strategy and implementation plan that addresses cool pavements and roofs, pavement reduction, and neighborhood greening while ensuring equitable distribution.
6.1.6	Incorporate renewable energy development, production, and/or storage into the Post Disaster Redevelopment Plan (PDRP) to promote post-disaster power resiliency.

Partners

Local governments, EPA, Gulftree.org

Co-benefits: Cost-savings, Equity

Related Actions: Action 2.14, 2.1.6, 6.5.1-5

Linkages: Finance/Governance, Infrastructure

OBJECTIVE 6.2

Prioritize green infrastructure projects which mitigate hazards and provide environmental, social and economic benefits to local communities.

Regional Actions	
6.2.2	The TBRPC and TBEP host trainings on implementing green infrastructure best practices.
Local Actions	
6.2.3	Develop a list of regional high priority, high potential green infrastructure projects which provide community co-benefits.
6.2.4	Update comprehensive plans and/or land development regulations to include policies or regulations that prioritize green infrastructure and assess nature-based adaptation strategies as a first step.
6.2.5	Develop stormwater master plan projects that utilize an interconnected system of green infrastructure and open green space to reduce stormwater impacts.
6.2.6	Utilize the messaging tools provided in the <u>Be Floridian</u> campaign to educate communities about best management practices (BMP's) for reducing nutrient loads flowing into surface waters via residential landscaping.

Partners

Local governments, TBEP, FDEP, SWFWMD, private landowners

Co-benefits: Environmental Quality, Water Quality

Related Actions: Action 2.1.6

Linkages: Coastal Habitats, Infrastructure, Site Development

OBJECTIVE 6.3

Advance water management strategies, infrastructure improvements, and water conservation efforts to mitigate the potential adverse impacts of climate change on water supplies, water and wastewater infrastructure, and water management systems.

Regional Actions	
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.
Local Actions	
6.3.2	Assess the benefits and limitations of integrated water management practices, such as <u>One Water</u> .
6.3.3	Continue to identify key protection areas to ensure sustainable water supply for consumption. Plan for future water supply by integrating potential future climate conditions and sea level rise scenarios.

Partners

Local governments, Tampa Bay Water, Florida Water and Climate Alliance

Co-benefits: Water Quality, Environmental Quality

Related Actions: Action 3.4.1, 3.4.4

Linkages: Community Capacity, Infrastructure

OBJECTIVE 6.4

Plan and manage public services in the region for current and future climate impacts.

Local Actions	
6.4.1	Adopt a Forestry Master Plan - which includes an overall tree planting goal and annual target to expand regional forestry and wetland restoration to provide a variety of benefits, including improving air quality carbon sequestration, and heat mitigation.
6.4.2	Assess projected costs of mosquito and pest control to mitigate vector-borne illness including considerations of the northward migration of sub-tropical and tropical species especially those that may be a public health concern.
6.4.3	Provide services to protect public health on extreme heat days that may include but need not be limited to cooling shelters.
6.4.4	Partner with utility providers and nonprofit organizations to provide relief for utility disconnections for extreme heat days.

Partners

Local governments, Nonprofits, Utility Providers

Co-benefits: Public Health, Walkable Cities

Related Actions: Actions 2.21, 2.2.2, 2.2.3, 2.2.4

Linkages: Housing

OBJECTIVE 6.5

Increase post-disaster power resilience for long-term and short-term outages.

Local Actions	
6.5.1	Conduct <u>Black Sky</u> planning for <u>community lifelines</u> for long-duration, widespread power outages.
6.5.2	Conduct energy and power-resilience assessments for their operations, emergency systems to understand essential equipment energy needs
6.5.3	Incorporate plans for energy hardening upgrades and reduce reliance on diesel generators for backup power into existing emergency management plans.
6.5.4	Use ClearSky tools and resources to identify critical systems and facilities which are candidates for solar and battery storage.

Partners

Local governments, Utility Providers

Co-benefits: Energy Security, GHG Reduction

Related Actions: Action 6.1.6

Linkages: Clean Energy, Building Standards

MEETING OBJECTIVE

- Identify the “**must do**” actions for the next five years.
- Feedback will be used to:
 - **Streamline** multiple actions into one
 - Move lower priority actions to “parking lot”
 - Delete actions that are not in alignment with priorities
- Prioritize actions based on:
 - local and regional government staff time and capacity
 - resiliency work already being implemented throughout the region
 - regional priorities

PRIORITIZATION ACTIVITY



Facilitated breakout groups. Facilitators will pose the following questions to attendees. Each breakout room will have a facilitator and a note taker.

- a) Which must we do as a region over the next five years? Why?
- b) Which actions are least likely to be implemented over the next five years?

REPORT OUT



Chapter 4 - Goal 4	
4.1.1	Establish Intergovernmental coordination to recommend resilience and sustainability goals, policies, strategies that support retrofits and new construction that prioritize ALICE populations.
4.5.1	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.
Chapter 4 - Goal 6	
6.2.2	The TBRPC and TBEP host trainings on implementing green infrastructure best practices.
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.

1. Which actions **must** we do as a region over the next five years? Why?
2. Which actions are **least likely** to be implemented over the next five years?

GROUP DISCUSSION



Facilitated breakout groups. Facilitators will pose the following questions to attendees. Each breakout room will have a facilitator and a note taker.

- What other actions of regional significance should be added?
- What will your elected officials be excited about?
- Which actions will support major progress for the region?

GROUP DISCUSSION



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

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3.3.1	TBRPC will convene local governments to discuss regional funding priorities for adaptation and mitigation projects. TBRPC will support state level legislative action that aligns with regional funding priorities.
3.4.1	The TBRPC will convene LGs and partners to define best practices, encourage peer sharing and support development of a Resilient Neighborhoods Education Program and Toolkit. Concepts to include: pop-up flood information centers, walking flood risk audits and other best practices for engaging community partners and neighborhood leaders.
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3.4.3	Support 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)

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

4.1.1	Establish Intergovernmental coordination to recommend resilience and sustainability goals, policies, strategies that support retrofits and new construction that prioritize ALICE populations.
4.5.1	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.

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

6.2.2	The TBRPC and TBEP host trainings on implementing green infrastructure best practices.
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.

RRAP INPUT MEETINGS



Management & Planning Committee

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THANK YOU!

WWW.TBRPC.ORG/RESILIENCYPLAN

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