

City of Jacksonville – Adaptation Action Area Working Group

Information from Broward County’s Comprehensive Plan

Climate Change Element (Adopted 12/8/2015)

Objective 19.2. Advance transportation and land-use choices that: reduce fossil fuel use and vehicle miles travelled; improve the mobility of people, goods and services; provide a diverse, efficient and equitable choice of transportation options; and increase the County’s resiliency to the impacts of climate change.

Policy 19.2.2. Broward County shall continue to support and coordinate with local municipalities to further mixed land uses which promotes functional, walkable mixed-use development designs and projects by providing flexibility in development review for these projects, revising the zoning and land development codes to support such projects, and promoting the adoption of specific goals in local Comprehensive Plans to support and establish sustainable development patterns, especially in areas at reduced risk to sea level rise, as defined by the Priority Planning Areas for Sea Level Rise Map in the Broward County Land Use Plan.

Policy 19.2.6. Broward County should assist in coordinating transportation-related adaptation policies across jurisdictional boundaries and ensure consistency among broader planning and plan implementation efforts. Specifically, strategies for preparing for sea level rise, such as increasing road surface elevation standards, subsurface stabilization, stormwater management and drainage, and adjustment of bridge heights to allow for navigation, should be collaboratively assessed and implemented.

Objective 19.3. Improve the climate resiliency and energy-efficiency of new and existing buildings and public infrastructure, and develop adaptation strategies for areas vulnerable to climate change-related impacts.

Policy 19.3.4. Broward County shall identify public investments and infrastructure at risk from sea level rise and other climate change related impacts by 2015, and update this assessment every 5 years. Specifically, the County shall analyze vulnerability to facilities and services, including but not limited to: buildings; water and wastewater treatment plants, transmission lines and pumping stations; stormwater systems; roads, rail, bridges, and all transportation and transit infrastructure; power generation facilities and power transmission infrastructure; critical airport and seaport infrastructure; hospitals; city halls, police and fire stations.

Policy 19.3.5. Broward County shall evaluate the costs and benefits of adaptation alternatives in the location and design of new infrastructure as well as the fortification or retrofitting of existing infrastructure.

Policy 19.3.6. Broward County should participate in the development and maintenance of a regional “Vital Signs” monitoring network of basic physical indicators of

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climate change specific to natural systems and the urban environment as regionally consistent documentation of long-term climate changes with relevance across Southeast Florida.

Policy 19.3.7. Broward County shall continue to improve analysis and mapping capabilities for identifying areas of the County vulnerable to sea level rise, tidal flooding, and other impacts of climate change. Activities shall include acquisition of increasingly accurate Light Detection And Ranging (LiDAR) data, or other state-of-the-art elevation data, and other necessary modeling data and programs every 5 years to update the Priority Planning Area for Sea Level Rise Map in the County’s Land Use Plan and improve available information needed to make informed decisions regarding adapting to the impacts of climate change.

Policy 19.3.8. Broward County shall, by 2015, develop new 100 year stormwater elevation projections in the Broward County 100 year flood map for use in stormwater management permitting and other planning processes, which incorporate current and projected conditions for sea level rise.

Policy 19.3.9. Broward County, in conjunction with its municipalities and partner agencies, shall work to ensure that adaptation to climate change impacts, especially sea level rise, is incorporated into the planning, siting, construction, replacement and maintenance of public infrastructure in a manner that is cost-effective and that maximizes the use of the infrastructure throughout its expected life span.

Policy 19.3.10. Broward County, in conjunction with its municipalities and partner agencies, shall make the practice of adapting the built environment to the impacts of climate change an integral component of all planning processes, including but not limited to: comprehensive planning, building codes, life-safety codes, emergency management, land development and zoning regulations, water resource management, flood control and stormwater management, coastal management, and community development.

Policy 19.3.11. Broward County shall evaluate opportunities to protect coastal investments and infrastructure, as necessary and feasible, from the impacts of climate change. Specifically, the County will maintain shoreline protection and erosion control by:

- a) Continuing the appropriate use of beach nourishment and pursuit of sand bypassing;
- b) Facilitating the installation and maintenance of native beach dune vegetation along appropriate areas of beach;
- c) Revisiting redevelopment policies with the objective of providing additional coastal buffer area between developed areas and the shoreline; and
- d) Considering hard structures, such as seawalls, only when alternative options are unavailable.

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Policy 19.3.12. Broward County shall by 2012, designate areas that are at increased risk of flooding due to, or exacerbated by, sea level rise over the next 50 years within the Broward County Land Use Plan Priority Planning Areas for Sea Level Rise Map, and work to make these areas more climate resilient by discouraging density increases and encouraging the use of adaptation and mitigation strategies.

Policy 19.3.13. Broward County shall, in coordination with its local municipalities, designate Adaptation Action Areas (AAA), per Florida State Law, in order to:

- a) Identify areas that are vulnerable to the impacts of rising sea level;
- b) Identify and implement adaptation policies to increase community resilience;
- c) Enhance the funding potential of infrastructure adaptation projects.

The Broward County Commission, the Broward County Planning Council or a municipality may apply for Adaptation Action Area of Regional Significance designation, if the problem(s) and proposed solution(s) of the proposed area demonstrate regional significance, and conform with one or more of the criteria listed in Section 4.D.13. of the Broward County Land Use Plan.

Areas designated by the County as Adaptation Action Areas of Regional Significance will be added to the Priority Planning Areas for Sea Level Rise Map as part of the Broward County Land Use Plan.

Policy 19.3.14. Broward County shall encourage local municipalities to develop policies to improve resilience to coastal and inland flooding, salt water intrusion, and other related impacts of climate change and sea level rise in their Comprehensive Plans, Sustainability Action Plans, Vision Plans, Stormwater Master Plans, Adaptation Action Areas Plans, Climate Change Plans and other city-wide plans.