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CITY OF FORT LAUDERDALE

CITY OF FORT LAUDERDALE COMPREHENSIVE PLAN

PROPOSED GOAL, OBJECTIVE AND POLICIES LANGUAGE ADAPTATION ACTION AREAS

COASTAL MANAGEMENT ELEMENT

GOAL 3:

Increase the City's resiliency to the impacts of climate change and rising sea levels by developing and implementing adaptation strategies and measures in order to protect human life, natural systems and resources and adapt public infrastructure, services, and public and private property.

OBJECTIVE 3.1:

Develop and implement adaptation strategies for areas vulnerable to coastal flooding, tidal events, storm surge, flash floods, stormwater runoff, salt water intrusion and other impacts related to climate change or exacerbated by sea level rise, with the intent to increase the community's comprehensive adaptability and resiliency capacities.

Evaluation Measure: Collaborating with regional partners, City shall identify public investments, infrastructure and assets at risk from rising sea levels by 2018. Thereafter, this assessment will be performed every five (5) years.

Policy 3.1.1:

Identify public investments and infrastructure at risk to sea level rise and other climate related impacts. Assess the vulnerability to public facilities and services, including but not limited to water and wastewater facilities, stormwater systems, roads, bridges, governmental buildings, hospitals, transit infrastructure and other assets.

Policy 3.1.2:

Adaptation strategies may include, but not be limited to:

- a. Public infrastructure planning, siting, construction, replacement, operation and maintenance
- b. Emergency management
- c. Stormwater management
- d. Land development regulations
- e. Building codes
- f. Comprehensive planning
- g. Other strategies

Policy 3.1.3:

Adaptation strategy options may include the designation of Adaptation Action Areas (AAAs). As per Section 163.3164(1) and Section 163.377(6)(g)(10), Florida Statutes, an AAA is an optional designation within the coastal management element of a local government's comprehensive plan which identifies one or more areas that experience coastal flooding due to extreme high tides and storm surge, and that



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are vulnerable to the related impacts of rising sea levels for the purpose of prioritizing funding for infrastructure and adaptation planning.

Policy 3.1.4:

AAAs' adaptation strategy options may include, but not be limited to:

- a. Protection
- b. Accommodation
- c. Managed retreat
- d. Avoidance
- e. Other options

Policy 3.1.5.:

Considerations for AAAs designation may include, but not be limited to:

- a. Areas which experience tidal flooding, storm surge, or both
- b. Areas which have an hydrological connection to coastal waters
- c. Locations which are within areas designated as evacuation zones for storm surge
- d. Other areas impacted by stormwater/flood control issues

Policy 3.1.6:

As a basis for the designation of AAAs, the City will utilize the best available data and resources, such as the Unified Sea Level Rise Projection for Southeast Florida and Broward County's Priority Planning Areas for Sea Level Rise Map, in order to identify and understand the risks, vulnerabilities and opportunities to formulate timely and effective adaptation strategies.

Policy 3.1.7.:

As deemed to be in the best interest of the City, the City Commission may designate or remove designation by means of, but not limited to, the following mechanisms:

- ~~a. Community Investment Program (Capital Improvement Plan)~~
- a. Comprehensive Plan via location description or map, and in accordance with applicable Florida Statutes
- b. City Commission Resolution or Ordinance
- ~~c. Comprehensive Plan via location description or map~~
- c. Community Investment Program (Capital Improvement Plan)
- d. Other mechanisms as appropriate

Policy 3.1.8.:

Potential funding sources for the implementation of AAA's associated adaptation strategies include, but are not limited to:

- a. Federal and State grants and technical expertise assistance (in-kind)
- b. Local Stormwater Utility Fees and Community Investment Program (Capital Improvement Plan) prioritization
- c. Public/Private Partnerships
- d. Other sources

Policy 3.1.9:

Integrate AAAs into existing and future City processes and city-wide plans and documents which may include, but not be limited to:



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- a. Community Investment Program
- b. Local Mitigation Strategy
- c. Strategic Plan
- d. Sustainability Action Plan
- e. Stormwater Master Plan
- f. Comprehensive Emergency Management Plan
- g. Unified Land Development Regulations
- h. Other related processes, plans and documents.

Policy 3.1.10:

Align and be consistent with, to the extent possible, relevant and current national, state, and regional adaptation strategy documents such as the Broward County Climate Action Plan, Southeast Florida Regional Climate Action Plan and The President’s Climate Action Plan as well as other regional strategic plans, disaster mitigation plans, water management plans, transportation/transit plans, and climate change plans.

Policy 3.1.11:

Participate in, when appropriate, coordinated governmental, non-governmental and other appropriate agencies’ proposed application requests for funding adaptation implementation projects.

Policy 3.1.12:

Collaborate and coordinate with appropriate local, regional and state governmental agencies, to the extent possible, toward the implementation of AAA adaptation strategies.

Policy 3.1.13:

Based on evolving rising seas data and associated vulnerabilities, to allow for flexible adjustments, preserve future strategic adaptation implementation options to maintain maximum resiliency in response to new risks and vulnerabilities. The City will take advantage of new emerging data and technological opportunities.

Policy 3.1.14:

Continue to foster effective collaborations, partnerships and coordination with national, state, regional and local partners to identify risks, vulnerabilities and opportunities associated with coastal hazards and the impacts from sea level rise.

ADMINISTRATION AND IMPLEMENTATION ELEMENT

Add/Amend Comp Plan Administration and Implementation Element (VII. Definitions):

- a. Priority Planning Areas for Sea Level Rise Map, Broward County: Map which identifies and illustrates vulnerable areas within Broward County that are at increased risk of flooding due to, or exacerbated by, sea level rise over the next fifty (50) years. Broward County generated this map in partnership with the South Florida Water Management District and the National Oceanographic and Atmospheric Administration.



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- b. **Protection:** Strategies that involve “hard” and “soft” structurally defensive measures to mitigate impacts of rising seas in order to decrease vulnerability while allowing structures and infrastructure to remain unaltered. Two examples are shoreline armoring and beach renourishment. Protection strategies may be targeted for areas of a community that are location-dependent and cannot be significantly altered or relocated, such as downtown centers, areas of historical significance, or water-dependent uses. (Adaptation Action Areas: Policy Options for Adaptive Planning For Rising Sea Levels, South Florida Regional Planning Council, 2013)
- c. **Accommodation:** Strategies that do not act as a barrier, but rather alter the design through measures such as elevation or stormwater improvements, to allow the structure of infrastructure system to stay intact. Rather than preventing flooding or inundation, these strategies aim to reduce potential risks. (Adaptation Action Areas: Policy Options for Adaptive Planning For Rising Sea Levels, South Florida Regional Planning Council, 2013)
- d. **Managed Retreat:** Strategies that involve the actual removal of existing development, their possible relocation to other areas, and/or prevention of further development in high-risk areas. (Adaptation Action Areas: Policy Options for Adaptive Planning For Rising Sea Levels, South Florida Regional Planning Council, 2013)
- e. **Avoidance:** Strategies that involve ensuring development does not take place in areas subject to coastal hazards associated with sea level rise or where the risk is low at present but will increase over time. (Adaptation Action Areas: Policy Options for Adaptive Planning For Rising Sea Levels, South Florida Regional Planning Council, 2013)