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City of Boynton Beach

Coastal Management Element

Goals, Objectives, and Policies

Goal 7 *To develop and maintain the Coastal Management area in a manner which protects human life, limits public expenditures in areas subject to destruction by natural disasters while preserving beach, shoreline, marine, wildlife, and recreational resources.*

Objective 7.1 **The City shall continue to enforce all applicable local, state, and federal coastal environmental regulations while providing for the development and redevelopment of waterfront properties.**

Measurability: *Number of special permits issued for waterfront residential development.*

Policy 7.1.1 The City shall continue to participate in and, where appropriate, locally enforce all existing coastal regulatory activities of the Environmental Protection Agency, the Florida Department of Transportation, the Department of Environmental Protection, South Florida Water Management District, Palm Beach County Environmental Resource Management, and Palm Beach County Health Department.

Policy 7.1.2 The City shall continue to regularly review and, where necessary, modify local development regulations to ensure that development projects utilize best management construction techniques for natural resource protection.

Objective 7.2 **The City shall coordinate with the Florida Department of Environmental Protection, the South Florida Water Management District, Palm Beach County Department of Environmental Resources Management, and other affected parties in meeting the requirements of the Florida Total maximum Daily Load Program for the Lake Worth Lagoon.**

Measurability: *Actions initiated in order to meet the Florida TMDL requirements for the Lake Worth Lagoon.*

Policy 7.2.1 The City shall continue to implement the local water quality improvement program for the City's portion of the Intracoastal Waterway using current stormwater data.

- Policy 7.2.2 The City will continue to maintain a program of street sweeping roadways and parking areas that drain into the Intracoastal Waterway.
- Policy 7.2.3 The City, in cooperation with the South Florida Water Management District will continue to enforce the local building construction threshold criteria such that major modifications to existing uses conform to local and regional stormwater pre-treatment standards.
- Policy 7.2.4 The City shall continue to enforce the land development regulations to require future marinas to be designed to maximize flushing of the marine basin and to provide for proper sanitary sewer hook-ups.
- Policy 7.2.5 The City shall continue to support the consolidated efforts of the Lake Worth Lagoon Management Plan and Committee and any efforts of Intergovernmental Plan Amendment Review Committee with regard to this important ecosystem.
- Policy 7.2.6 The City shall continue to seek support and funding from County, State, and Federal agencies relative to establishing a long-term water quality improvement program for Lake Worth Lagoon and the Intracoastal Waterway.
- Objective 7.3 Subsequent to Plan adoption, or when mandated by state statute, the City, in cooperation with Federal, State, County, and adjacent governments will protect and restore the existing coastal dune system and beaches along the City's beachfront and establish standards to minimize the beach and dune impacts of man-made structures.**
- Measurability: Amount of coastal dune system and beaches restored and protected.*
- Policy 7.3.1 The City shall continue to coordinate with the Coastal Council and other agencies to identify County, State and Federal grants available for establishing a local dune protection program.
- Policy 7.3.2 The City shall continue to provide resolutions to support and maintain areawide beach renourishment efforts, if determined to have no significant negative impact on reefs and other living marine resources.

Policy 7.3.3 The City shall continue to provide resolutions that support and maintain improvements of South Lake Worth Inlet to minimize beach erosion.

Objective 7.4 The City shall continue to protect, conserve and, where possible, improve local wildlife, coastal wetlands, estuaries, coastal barriers and marine habitats.

Measurability: Number of acres of habitat protected.

Policy 7.4.1 The City shall continue to discourage site clear-cutting and protect, restore and enhance, where possible, existing natural areas and native species, such as beaches and dunes, wetlands, estuaries and drainage systems.

Policy 7.4.2 The City shall continue to encourage responsible agencies to support and enforce the designation of low speed, wake free areas along the Intracoastal Waterway.

Policy 7.4.3 The City shall continue to assist with the mitigation strategy programs of transplanting seedlings of red mangrove and marsh grass into the intertidal mangrove areas.

Policy 7.4.4 The City shall continue to cooperate with the appropriate agencies on the installation of channel markers to protect sea grasses from prop dredging.

Policy 7.4.5 The City shall continue to develop and support educational programs, enhancements, and proper maintenance of the Mangrove Nature Trail and Nature Center in the mangrove hammock adjacent to the eastern terminus of Boynton Beach Boulevard.

Policy 7.4.6 The City shall continue to enforce the use of native vegetation species in meeting local landscaping requirements.

Policy 7.4.7 The City shall continue to enforce the establishment of buffer areas adjacent to natural areas and mangrove sites, open space provisions, tree protection, storm drainage, and best management practices, and amend to comply with policies in this Element.

- Policy 7.4.8 The City shall continue to enforce the permitting and mitigation requirements of County, State, and Federal agencies in developing in natural, wetland, and mangrove areas.
- Policy 7.4.9 The City shall continue to support and cooperate in efforts to preserve and encourage turtle nesting along the City's beach area.
- Policy 7.4.10 The City shall continue to consider the specific and cumulative impacts of development or redevelopment on wetlands, estuaries, water quality, water quantity, wildlife habitats, living marine resources and beach and dune systems.
- Policy 7.4.11 The City shall abide by the 2007 Palm Beach County Manatee Protection Plan herein adopted by reference and shall support the County's efforts to protect manatees and their habitats.
- Objective 7.5 The City shall continue to seek opportunities to increase the number of water-dependent and water-related uses and strive to ensure public access to beach and waterfront areas.**
- Measurability: Increase in the number of water dependent and water related uses during the planning period.*
- Policy 7.5.1 The City shall evaluate Land Development Regulations to ensure accommodation of and expand provisions for water-dependent and water-related uses to enhance its brand of a coastal community and to increase business and recreational opportunities for both residents and visitors.
- Policy 7.5.2 The City shall ensure that redevelopment projects on waterfront properties provide waterfront access to the general public while encouraging developers to include waterfront uses and amenities fostering pedestrian traffic.
- Policy 7.5.3 The City shall continue support, through resolutions, area-wide efforts to acquire and develop additional waterfront and beachfront sites on the condition that such increases do not harm natural resources.
- Policy 7.5.4 The City and the Boynton Beach Community Redevelopment Agency shall continue to provide funding for maintenance and improvements as needed for the City's two existing public waterfronts: Boynton Harbor Marina and the Harvey E. Oyer Jr. Park.

Policy 7.5.5 The City shall ensure that any new marina or marina expansion minimizes impacts on coastal and marine resources by coordinating review of marina development with input from all appropriate federal, state, regional, and county agencies.

Policy 7.5.6 The City shall only allow for location of marinas, boat ramps and other water-dependent uses in a manner which protects seagrass and manatees. Upon the siting of such water-dependent uses, the City shall continue to implement adequate provisions to protect seagrass and manatees such as, but not limited to, minimizing dredging, marking navigation channels, supporting boat speed restrictions, speed zone enforcement, information and restrictive signage, and construction standards so as to not entrap manatees or damage seagrass. To further this goal, new marinas shall only be permitted within the areas identified as a “Preferred” siting category in accordance with the Palm Beach County Manatee Protection Plan.

Objective 7.6 The City shall continue to assess the current and future risks to human life and property from floods and other natural hazards in the coastal areas and implement development and redevelopment strategies that reduce such risks.

Measurability: Map updates, vulnerability assessments

Policy 7.6.1 The City shall maintain and update as needed all maps-- including FEMA flood zones and repetitive claim maps, storm surge/Coastal High Hazard Area maps and sea level rise impact maps— identifying current and potential future areas subject to high flood hazard.

Policy 7.6.2 The City shall continue to document and maintain maps of extreme high tides (“king tides”), more frequent severe rainfall events and newly revealed areas at risk of flooding to efficiently target mitigation efforts.

Policy 7.6.3 The City shall continue to provide flood relief and cleaning operations to lessen the resident’s hardship after a major rainstorm and document the City’s after-the-storm efforts to evaluate and recommend implementation of minor improvements and projects to be included in the Capital Improvements Plan.

- Policy 7.6.4 The City shall continue to utilize the Future Land Use Map and the recommendations of the Community Redevelopment Area Consolidated Plan as the basis for development and redevelopment. The siting, design and construction of structures shall be consistent with regulations contained in the the 5th Edition of the Florida Building Code and the City Flood Prevention Code as amended from time to time.
- Policy 7.6.5 The City shall manage its planning, regulatory and utility services to steer future population concentrations away from the Coastal High Hazard Areas (CHHA), which is defined as the area below the elevation of the category 1 storm surge line as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model.
- Policy 7.6.6 The City shall not approve any increases in hotel/motel beds and residential densities in the Coastal High-Hazard Area that would increase evacuation times above the 16 hours level of service for out-of-county hurricane evacuation for a category 5 storm event as measured on the Saffir-Simpson scale as provided in Section 163.3148(9)(a), F. S..
- Policy 7.6.7 By 2017, the City shall amend Land Development Regulations to prohibit hospitals, congregate living facilities for persons with special needs, nursing homes, and the like from locating within Coastal High-Hazard Area and FEMA-defined Special Flood Hazard Area, and also encourage such existing facilities to relocate to safer locations within the City.
- Policy 7.6.8 Redevelopment of existing dwelling units located in the Coastal High-Hazard area is prohibited unless an engineering study supports that the redevelopment can occur in a safe manner when considering building construction, design, siting and future storm events.
- Policy 7.6.9 The City shall limit public expenditures in the Coastal High Hazard Area or flood-prone areas by restricting expansion/ improvement of the existing utilities except for improvements necessary to (1) correct current deficiencies; (2) serve planned redevelopment pursuant to the CRA Community Redevelopment Plan; or (3) improve environmental quality.

Policy 7.6.10 The City shall require that any construction activities seaward of the coastal construction control lines established pursuant to Chapter 161.058, F.S. be consistent with the statutory provisions.

Policy 7.6.11 The city shall continue to revise building codes and land development regulations to enhance flood mitigation measures in vulnerable areas to reduce future risks associated with high tide events, storm surge, flash floods, stormwater runoff, and the related impacts of sea level rise. In these areas, the City shall require vulnerability reduction measures for all new construction, redevelopment and infrastructure such as additional hardening, higher floor elevations or incorporation of natural infrastructure for increased resilience.

Policy 7.6.12 The City shall consider, whenever feasible, purchasing properties in areas most vulnerable to destructive storm surges for recreational uses and open space.

Policy 7.6.13 Rise in sea level projected by the federal government (National Oceanic and Atmospheric Administration) shall be taken into consideration in all future decisions regarding the design, location, and development of infrastructure and public facilities in the potentially affected areas.

Objective 7.7 The City shall continue to apply the best planning and engineering practices in development to attenuate and mitigate future flood events and modify the Land Development Regulations and other relevant regulatory documents as needed.

Measurability: Update of the Flood Prevention Code, number of new stormwater projects funded

Policy 7.7.1 By the end of 2017, the City shall further update its 2010 floodplain ordinance (Flood Prevention Code) for consistency with the 5th edition of the Florida Building Code and also ensure that all future modifications of the flood-resistant construction requirements in the Flood Prevention Code continue to be consistent with, or more stringent than, requirements of the Florida Building Code and applicable flood plain management regulations set forth in 44 C.F.R. part 60.

Policy 7.7.2 The City shall continue to upgrade its stormwater infrastructure through drainage improvements, installation of tidal backflow preventers, and seawall repair in addition to sustainable flood

management actions such as installation of bioswales, recharge through drainage wells, use of pervious pavement, maintenance of natural preserves areas and protection of tidal beaches that will stand the test of time and be adaptable to future climate changes.

Policy 7.7.3 The floodplain administrator /building official shall review all permit applications to determine whether proposed development sites will be reasonably safe from flooding. If a proposed development site is in a flood hazard area, all site development activities, (including grading, filling, utility installation and drainage modification), all new construction and substantial improvements shall be designed and constructed with methods, practices and materials that minimize flood damage and that are in accordance with the city Flood Prevention Code.

Policy 7.7.4 The City shall continue to participate in the National Flood Insurance Program's Community Rating System (CRS) administered by the Federal Emergency Management Agency (FEMA) to reduce flood losses and achieve flood insurance premium discounts for their residents.

Objective 7.8 The City shall continue to provide for the local implementation of the County Emergency Preparedness Plan with respect to residential notification, evacuation and City management techniques, with particular emphasis towards the City's multi-family and mobile home areas through an interlocal agreement, and to encourage public participation in the planning process.

Measurability: Ongoing coordination with the Palm Beach County Division of Emergency Management.

Policy 7.8.1 The City shall establish and maintain procedures to maintain local emergency services personnel familiarity with Palm Beach County's adopted Emergency Preparedness Plan:

Policy 7.8.2 The City shall continue to participate in all countywide emergency preparedness preparation and practice sessions.

Policy 7.8.3 The City shall provide input to the County's informational program which identifies the location and magnitude of the coastal area population requiring assistance in evacuation.

Policy 7. 8.4 The City shall continue to participate in the Palm Beach County Hazard Mitigation Working Group (HMWG) and to adopt the HMWG pertinent recommendations on hazard mitigation.

Policy 7.8.5 The City shall participate in a long-term, countywide, comprehensive shelter program coordinated with public, private, non-profit organizations to ensure adequate shelter space is available for the long-term needs of the City and the County.

Objective 7.9 The City shall continue the implementation of its Climate Action Plan, revised in December 2015, which will include a study aimed at exploring options for establishment of Adaptation Action Area(s).

Measurability: Adaptation Action Area Study funded and initiated by end of 2018. AA areas established by 2020.

Policy 7.9.1 By the year 2018, the City shall initiate a study to evaluate options to establish Adaptation Action Area(s) pursuant to Chapter 163.3177, F.S. for coastal areas that experience flooding due to extreme high tides and storm surge and that are vulnerable to rising sea level. The study will identify portions of the City where the need to improve resilience is the highest and prioritize those areas for adaptation measures and funding of infrastructure improvements. The study shall consider the areas that:

1. Are below, at, or near the average water level
2. Have a hydrological connection to coastal waters
3. Are designated as evacuation zones for storm surge
4. Are otherwise impacted by climate-related drainage/flood control.

Policy 7.9.2 The City shall partner/coordinate on adaptation activities and access to technical assistance and support with all relevant partners, including:

1. Southeast Florida Regional Climate Change Compact
2. FDOT and other agencies that plan for, or own, operate and maintain public infrastructure within, or crossing areas identified for adaptation
3. Adjacent local governments if such areas extend beyond the City limits

Policy 7.9.3

By the end of 2017, the City shall integrate its Climate Action Plan into elements of the Comprehensive Plan as appropriate.