

1 **GOALS, OBJECTIVES, AND POLICIES**

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3 **GOAL 1:** To preserve, restore, and enhance coastal resources to maximize public use and
4 assure their future ecological benefit. ~~[9J-5.012(3)(a)]~~

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6 **Objective 1.1:** To maintain and upgrade the quality of the Indian River Lagoon and other
7 lakes and rivers at the Class II water quality standard as set by the State
8 of Florida. ~~[9J-5.012(3)(a)]~~

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10 **Policy 1.1.1:** Erosion and sedimentation control and nutrient reduction
11 practices shall be employed for all urban development and
12 agricultural activities where needed to protect natural
13 waterbodies, water courses, and wetlands from siltation and
14 nutrient pollution. The following minimum criteria shall apply in
15 the implementation of this policy. ~~[9J-5.012(3)(c)(1 and 2)]~~

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17 **Strategy 1.1.1.1:** Adequate erosion and sedimentation control
18 practices are those recommended by the Natural
19 Resource Conservation Service (NRCS) and which
20 are designed to substantially reduce or eliminate
21 soil loss into waterbodies and wetlands.

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23 **Strategy 1.1.1.2:** Clearing of specific building sites shall not
24 commence until the developer is permitted to
25 construction on that site. Clearing shall be limited
26 to that area to be covered by construction and
27 necessary drive and walkways. In all other areas
28 the native vegetation should remain undisturbed
29 where possible.

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31 **Strategy 1.1.1.3:** Approved techniques to control wind erosion shall
32 be used during clearing and site preparation for
33 development or agricultural activities.

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35 **Strategy 1.1.1.4:** Seeding and mulching, or other stabilizing actions
36 of disturbed areas shall be undertaken within ~~30-7~~
37 days to completion of clearing work on a
38 development site.

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40 **Strategy 1.1.1.5:** Waterfront construction shall be required to use
41 appropriate erosion and siltation control practices
42 during and after construction to prevent siltation of
43 the adjacent waterbody.

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45 **Strategy 1.1.1.6:** Stormwater management systems shall be designed
46 to ensure that water velocities remain below those
47 which would cause scour and/or erosion.

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49 **Strategy 1.1.1.7:** Best Management Practices will be utilized in the
50 protection of waterbodies from nutrient pollution.

Policy 1.1.2: Wastewater treatment plant effluent impacts shall be minimized or eliminated to the maximum extent feasible. The following measures will be utilized to implement this policy. ~~{9J-5.012(3)(c)(1)}~~

Strategy 1.1.2.1: Wastewater treatment systems outfalling to all existing surface water shall be designed or retrofitted as soon as economically feasible to reduce/eliminate nutrients in the discharge.

Strategy 1.1.2.2: Periodic inspections shall be conducted on all wastewater treatment plants within the City to ensure that the facility is in good repair.

Policy 1.1.3: The siting, operation and monitoring of industries which use or generate hazardous materials shall ensure that groundwater and surface waters are not contaminated through release of hazardous materials into the environment. The following definitions apply in the implementation of this policy: ~~{9J-5.012(3)(c)(1 and 2)}~~

1. "Hazardous materials" are those for which notification of the Florida Department of Environmental Protection~~FDER~~ is required by CH. ~~17-3062-730~~, F.A.C.
2. Surface water or groundwater contamination is defined as an increase in the concentration of any hazardous material in excess of the limits imposed by CH. ~~62-73017-3 and CH 17-30~~, F.A.C.

Policy 1.1.4: The negative impact of agricultural operations on surface water quality shall be minimized by encouraging the use of appropriate water quality management techniques. ~~{9J-5.012(3)(c)(1 and 2)}~~

Policy 1.1.5: The City shall, in preserving the Indian River Lagoon system and other bodies of water within the City limits, coordinate with other local governments and the Marine Resources Council to ensure: ~~{9J-5.012(3)(c)(1-14)}~~

- adequate sites for water-dependent uses
- prevention of estuarine pollution
- control of surface water runoff
- protection of living marine resources
- reduction of exposure to natural hazards
- public access
- that required infrastructure is available to serve the development or redevelopment in the coastal area.

Policy 1.1.6: The City shall coordinate with other governmental entities to evaluate and support if appropriate the designation of the Indian River Lagoon as an aquatic preserve between JayJay Road and the northern boundary of the County. ~~{9J-5.012(3)(c)(13)}~~

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Policy 1.1.7: The City shall study the feasibility of the designation of Florida’s Outstanding Waters for the Indian River Lagoon.

Objective 1.2: To protect the basic functions served by marine grassbeds and coastal marshes to assure the protection of marine species such as the manatee and shellfish. ~~[9J-5.012(3)(b)(1 and 2)]~~

Policy 1.2.1: In order to prevent shoreline erosion, filter out nutrients, provide reasonable access, and provide wildlife habitat, the removal of native emergent vegetation in the littoral zone of a waterbody shall be eliminated. The following definition shall apply in the implementation of this policy. ~~[9J-5.012(3)(c)(1 and 2)]~~

- 1. “Littoral zone” includes the area between the ordinary high water line and the most waterward extent of native emergent submerged or floating non-algae vegetation.
- 2. “Waterbody” includes all waters of the State and all natural lakes or ponds greater than 1 acre in size.

Policy 1.2.2: The balancing of inflows of fresh water into the estuaries of the region (which protect, maintain and enhance the ecological health of living marine resources) shall be incorporated as a high priority in any management activity within the coastal zone. ~~[9J-5.012(3)(c)(1 and 2)]~~

Policy 1.2.3: Activities within an estuarine basin that will adversely impact grassbeds and other valuable submerged habitat shall be prohibited, unless an overriding public benefit can be shown and adequate mitigation measures are included. The following criteria apply in the implementation of this policy: ~~[9J-5.012(c)(1 and 2, 8 and 13)]~~

Strategy 1.2.3.1: Proposed activities in an estuarine basin whose public interest benefits could be considered to justify alterations or adverse impacts shall, at a minimum, meet one or more of the following criteria:

- a. The activity is necessary to prevent or eliminate a public hazard; and
- b. The activity would provide direct public benefits which would exceed those lost to the public.
- c. The activity shall be kept at a minimum to minimize the impact.

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Strategy 1.2.3.2: Unavoidable impacts to grassbeds and other valuable submerged habitat shall be mitigated through any means which will result in no net loss of grassbeds or other habitat in the estuary. The method utilized (transplant, creation, etc.) will be determined in conjunction with the USFWS, ~~FDNR, and FDER-USACE, FDEP, and SJRWMD.~~

Strategy 1.2.3.3: Mitigation shall take place within the limits of an area stipulated by ~~FDNR and FDER~~FDEP.

Strategy 1.2.3.4: Agencies responsible for permitting activities have the potential to impact grassbeds and submerged habitats, shall participate in an interagency conflict resolution process to ensure that permit applicants are not given conflicting or inconsistent permit conditions by different agencies for application undergoing simultaneous review. This policy does not preclude permitting agencies from establishing additional or more stringent conditions to permits applied for, subsequent to the applicant’s receipt of a permit from another agency.

Policy 1.2.4: The West Indian manatee shall be afforded protection from boating activities which may have an adverse impact upon the species. ~~[9J-5.012(3)(b)(2)]~~

Policy 1.2.5: Dredge and fill activities within the City shall be minimized to eliminate/minimize possible adverse environmental, social and economic impacts. The following criteria shall apply in the implementation of this policy:

Strategy 1.2.5.1: Dredging and filling of submerged lands for public shoreline projects shall be planned only if the activity is water-dependent and necessary.

Policy 1.2.6: The protection of endangered and threatened species in the coastal area shall be implemented as set forth in the Conservation Element of this Plan.

Objective 1.3: To assure maximum retention of the recreational values of the coastal areas, particularly provision of reasonable physical and visual access to the Indian River Lagoon and the coastal area. ~~[9J-5.012(3)(b)(9) and 9J-5.012(3)(c)(9)]~~

Policy 1.3.1: The purchase of land for preservation/recreation shall be based upon the comprehensive and coordinated acquisition program which is outlined in the Recreation and Open Space Element of this Plan.

Policy 1.3.2: Ensure the maximum protection of the public’s right to pedestrian access to the Indian River Lagoon, other bodies of

water and the area’s beach is provided through adherence to the following policies: ~~{9J-5.012(3)(c)(9)}~~

- 1. The City shall work with all governmental and non-governmental entities of Florida to gain access points to the Indian River Lagoon and other recreational waterbodies.
- 2. Dedication of easements for public access shall be encourage from developments proposed along the Indian River Lagoon shoreline. These easements are to be located on the uplands running horizontally along the shoreline. The easement can be utilized in the calculation of the MWWL setback requirement. The vacation of such easements shall be strongly discouraged unless a suitable alternative can be provided.
- 3. The City shall encourage developments along the river to set aside areas for public access to river from inland.

Objective 1.4: To encourage the expansion of existing marina facilities which will have minimum impact on the Indian River Lagoon system and to discourage their location in inappropriate areas ~~{9J-5.012(3)(c)(8)}~~

Policy 1.4.1: Marinas shall be located in areas where maximum physical advantage exists, where the least dredging and maintenance are required, and where adequate resources will not be adversely affected subject to State and Federal regulations.

Policy 1.4.2: Present and future marina facilities shall not degrade water quality in the estuaries of the region per State and Federal regulations. ~~{9J-5.012(3)(c)(8 and 13)}~~

Policy 1.4.3: Expansion of existing marina facilities, where environmentally feasible, rather than construction of new facilities, shall be encouraged. ~~{9J-5.012(3)(c)(8 and 14)}~~

Policy 1.4.4: Within local land use planning programs, priority shall be given to water-dependent uses for marina development in those areas considered appropriate for such uses. ~~{9J-5.012(3)(c)(8)}~~

GOAL #2: To provide for public safety in the coastal high-hazard area and to limit public expenditure in areas subject to destruction by natural disasters, while providing for the long-term accessibility, economic viability, neighborhood stability, and environmental integrity of these unique resources. ~~{9J-5.012(3)(a)}~~

~~**Objective 2.1:** To assure through the regulation of development and the prudent provision of public infrastructure that development in the coastal high hazard area does not jeopardize human life and welfare. {9J-5.012(3)(b)(6-8)}~~

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~~**Policy 2.1.1:** All new permanent building construction shall adhere the standards of the Federal National Flood Insurance Program. [9J-5.012(3)(c)(3 and 12)]~~

~~**Policy 2.1.2:** Development within the coastal high hazard areas which may jeopardize the public's health, safety, or welfare shall not be allowed. [9J-5.012(3)(c)(4)]~~

~~**Policy 2.1.3:** The City shall provide for protection and preservation of its historic resources through a comprehensive Historic Preservation Program: [9J-5.012(3)(c)(10)]~~

~~**Strategy 2.1.3.1:** The City shall continue to improve properties purchased through the City's riverfront acquisition program.~~

~~**Strategy 2.1.3.2:** The City shall continue to participate in the National Historic Register Program.~~

~~**Strategy 2.1.3.3:** The City shall continue to implement the standards of the Federal National Flood Insurance Program.~~

~~**Strategy 2.1.3.4:** The City shall continue to insure that surrounding infrastructure (i.e., sea walls) are maintained.~~

~~**Objective 2.2:** To prudently regulate development in the coastal zone so as to not subsidize development which are in a high hazard area. [9J-5.012(3)(b)(5)]~~

~~**Policy 2.2.1:** Public expenditures for infrastructure improvements which encourage increased density or intensity in designated coastal high hazard areas shall be prohibited. Infrastructure improvements are defined as those activities (construction of bridges, roads, sewers, and water plants) which lead to an increase in the existing capacity of a facility and allow for an additional number of facility users. Improvements to a facility which address an existing deficiency, increase public safety, or provide for national defense are not governed by this policy. [9J-5.012(3)(c)(3 and 12)]~~

~~**Policy 2.2.2:** Programs and regulations are provided in the City's Land Development Regulations to mitigate the destructive forces of hurricane events within the City's coastal zone. The following criteria shall apply in the implementation of this policy: [9J-5.012(3)(c)(5-7)]~~

~~**Strategy 2.2.2.1:** Identifying areas needing redevelopment, and eliminating unsafe conditions and inappropriate uses.~~

~~**Strategy 2.2.2.2:** Post-hurricane mitigation shall include mechanisms for the relocation of structures significantly damaged in major hurricane events.~~

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~~Strategy 2.2.2.3:~~ Land acquisition programs shall include provisions for the possible redirection of funds to acquire estuarine properties which should not be redeveloped following a major hurricane.

~~Strategy 2.2.2.4:~~ Discourage the redevelopment and rebuilding of facilities which serve to encourage growth in hazardous areas, except for necessary services for existing development. [9J-5.012(3)(c)(3)]

~~Policy 2.2.3:~~ The City shall continue to implement and update, as needed, post disaster redevelopment policies in the City’s Emergency Management Plan: [9J-5.012(3)(c)(3-7)]

- ~~• distinguish between immediate repair and cleanup action needed to protect public health and safety and long-term repair and redevelopment activities.~~
- ~~• limit redevelopment in areas of repeated damage~~
- ~~• incorporate the recommendations of interagency hazard mitigations reports into the Comprehensive Plan~~
- ~~• determine the removal, relocation, or structural modification of damaged infrastructure and unsafe structures.~~

~~Objective 2.1:~~ The coastal storm area shall include the following areas:

~~(1) The Coastal High Hazard Area (CHHA), defined as the area projected by the Sea, Lake and Overland Surges from Hurricanes (SLOSH) computerized storm surge model to be inundated from a category one hurricane, as reflected in the most recent Storm Surge Zone Atlases of the Florida Department of Emergency Management.~~

~~(2) Areas of the City projected to be inundated by sea-level rise as early as the year 2040 and through 2100 based on maps developed by the City using the University of Florida GeoPlan Center Sea Level Scenario Sketch Planning Tool.~~

~~Policy 2.1.1:~~ If 20% or more of a parcel of land is located within the coastal storm area, then the entire parcel shall be considered within the coastal storm area. However, if either a parcel of land or a group of parcels that are part of a master development plan is equal to or greater than 5 acres and less than 50% of the parcel or group of parcels is within the coastal storm area, the property owner may elect to provide a survey of the parcel or parcels to determine the exact location of the coastal storm area.

~~Policy 2.1.2:~~ The City shall prohibit the location of new hospitals, nursing homes and assisted living facilities in the Coastal Storm Area and the area inundated by a category 2 hurricane as depicted by the SLOSH model, as reflected in the Sea Level Rise Vulnerability

Assessment prepared by the East Central Florida Regional Planning Council.

Objective 2.2: The City shall protect historical and archaeological resources in the coastal storm area.

Policy 2.2.1: The City will continue to promote the preservation of historic and archaeological resources by providing information to the public and encouraging private groups to nominate sites to preserve.

Policy 2.2.2: The City will consider amendments to the Land Development Code that will establish performance standards for development and sensitive reuse of historic resources.

Objective 2.3: Level of service standards as defined in the functional elements of the Comprehensive Plan (public utilities, recreation and open space), are established and are recognized as applicable to the coastal storm area.

Policy 2.3.1: Public facilities, infrastructure, and utilities in the Coastal Storm Area should be maintained and improved when necessary, and consistent with the Level of Service demands in the functional elements. Future projects are addressed in the Capital Improvement Element.

GOAL #3: Management of Titusville’s coastal storm area shall prohibit activities that would damage coastal resources or pose a threat to human life due to hurricane hazards, and shall promote activities that enhance the natural and built environment.

Objective 3.1: The City shall continue to protect coastal wetlands, estuaries, and wildlife habitat to maintain or increase the acreage for threatened and endangered species populations.

Policy 3.1.1: The City shall proactively pursue and facilitate coordination and participation in the implementation of the Indian River Lagoon Comprehensive Conservation and Management Plan (CCMP) of the Indian River Lagoon National Estuary Program, and related plans, as a means of achieving mutual local and regional resource management and restoration goals for the Indian River Lagoon.

Policy 3.1.2: The City shall permit passive recreation uses in appropriate coastal areas as identified in the Future Land Use Element of the Comprehensive Plan.

Policy 3.1.3: The City shall coordinate with Brevard County and other local governments for water quality monitoring and related program planning.

Objective 3.2: The City's shoreline includes natural resources which shall be preserved from encroachment and development.

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Policy 3.2.1: The City shall coordinate with Brevard County and other local governments for water quality monitoring and related program planning.

Policy 3.2.2: The City shall minimize the disturbance of natural shorelines which provide stabilization and protect landward areas from storm impacts, where feasible.

Policy 3.2.3: To preserve the functionality of natural sea level rise barriers, the City shall:

- Examine the appropriate use of sediment-trapping vegetation, sediment mounds, etc., for coastal hazards; and
- Implement shoreline restoration, plantings, and use of natural material, where feasible.

Policy 3.2.4: The City will maintain shoreline protection and erosion control by:

- Facilitating the installation and maintenance of native shoreline vegetation along appropriate areas of beach; and
- Considering hard structures, such as seawalls, only when alternative options are unavailable.

Objective 3.3: Titusville shall administer land development regulations to protect public and private property and human life from the effects of hurricane winds and flooding.

Policy 3.3.1: Limit public expenditures that subsidize development permitted in the coastal high hazard storm areas, except for the restoration or enhancement of natural resources.

Policy 3.3.2: Ensure that construction of necessary infrastructure improvements in the coastal storm area are phased to coincide with the demands generated by development or redevelopment in support of the proposed densities permitted by the City's adopted Future Land Use Map.

Policy 3.3.3: The City's public expenditures in the coastal storm area, when available, will include program improvements that will restore and enhance natural resources.

Policy 3.3.4: Encourage more efficient and climate resilient construction practices locally by:

- Evaluating base finish floor elevation standards with respect to projected sea level rise scenarios and flooding potential; and
- Evaluating extending the City's cumulative substantial improvement and substantial damage regulation from one-year to a multi-year time period; and
- Evaluating extending the City's substantial improvement and substantial damage regulatory threshold to less than 50%.

Policy 3.3.5: Evaluate designing a "natural runoff" or "net-zero discharge" policy for stormwater in subdivision and site design.

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Policy 3.3.6: The City will continue to pursue grant opportunities from state and federal agencies intended to aid in the collection and analysis of data to be used in the development of specific regulations intended to reduce losses due to flooding and claims made under flood insurance policies.

GOAL #4: New development, redevelopment, and investment in public facilities, utilities, and infrastructure shall be managed and regulated to reduce flood risk in the coastal storm area, as defined in Goal #3 resulting from high-tide events, storm surge, flash floods, stormwater runoff, and the related impacts of sea level rise and to reduce losses due to flooding and claims made under flood insurance policies issued in this state.

Objective 4.1: Development and redevelopment in the City shall be planned and managed to reduce risk and losses due to flooding resulting from high-tide events, storm surge, flash floods, stormwater runoff, and the related impacts of sea level rise.

Policy 4.1.1: Development and redevelopment plans and proposals in the coastal storm area shall be reviewed for compliance with the goals, objectives and policies of the Comprehensive Plan and other appropriate plans and references, including the City's National Flood Insurance Policy (NFIP) and the Community Rating System (CRS) Program.

Policy 4.1.2: The flood-resistant construction requirements in the Florida Building Code and applicable floodplain management regulations set forth in 44 C.F.R. part 60, or more stringent controls, shall continue to be applied to development and redevelopment in the coastal storm area.

Policy 4.1.3: The City shall explore requiring rather than encouraging the use of Low Impact Development site design methods for new development, redevelopment, additions and retrofits, and modifications to properties in the coastal storm area.

Policy 4.1.4: Low Impact Development design standards shall provide for site design, engineering, and stormwater management designs and retrofits that reduce run-off, mitigate flood impacts, and provide for the on-site absorption, capture, and reuse of rain water. The standards shall encourage or require the increased use of "green" stormwater management treatments, native/Florida-friendly landscape material, porous paving materials, and the preservation and restoration of natural drainage characteristics.

Policy 4.1.5: The City shall grant building permits in compliance with the Florida Building Code and National Flood Insurance Program (NFIP) regulations, a part of the Federal Emergency Management Agency (FEMA) regulations, regarding, but not limited to issues such as community floodplain activities, land management, and policy rating.

1 **Objective 4.2:** Hazard mitigation efforts will be implemented to reduce flood risk resulting
2 from high-tide events, storm surge, flash flood, stormwater runoff, and
3 the related impacts of sea level rise.

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5 **Policy 4.2.1:** The City shall encourage and support hazard mitigation efforts
6 through continuation of the following activities:
7 • Participation in the National Flood Insurance Program’s
8 Community Rating System;
9 • Participation in the Brevard County Local Mitigation Strategy;
10 • Administration of building regulations consistent with City and
11 FEMA regulations;
12 • Review and implementation of appropriate policies and
13 strategies developed by partner agencies or through interagency
14 hazard assessment and mitigation initiatives; and
15 • Restriction of development in floodways.

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17 **Policy 4.2.2:** The City will continue to monitor and evaluate the feasibility of
18 incorporating recommendations from other intergovernmental
19 hazard planning initiatives into the Titusville Comprehensive Plan
20 and Land Development Code.

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22 **Policy 4.2.3:** The City will continue to apply building code and land
23 development code requirements to ensure noncompliant
24 structures are brought into conformance with FEMA flood
25 elevation standards or will be flood proofed consistent with
26 FEMA standards.

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28 **Objective 4.3:** Continue to educate the public on flood risks, as well as mitigation
29 strategies and available programs to reduce flood hazards and improve
30 the City’s Community Rating System (CRS) score, which will allow for
31 decreased flood insurance premiums.

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33 **Policy 4.3.1:** Continue to prepare and disseminate communications and
34 conduct NFIP community workshops to provide information
35 regarding the benefits of acquiring flood insurance.

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37 **Policy 4.3.2:** Continue to update, maintain, and make available for public
38 review flood risk maps and related information indicating risks
39 associated with high tide events, storm surge, flash flood,
40 stormwater runoff, and related impacts of sea level rise.

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42 **Policy 4.3.3:** Flood elevation certificates shall continue to be made available
43 for public review.

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45 **Objective 4.4:** The practice of adapting the built environment to address impacts of sea
46 level rise shall be an integral part of the City’s planning process and in its
47 coordination with partner agencies.

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49 **Policy 4.4.1:** The anticipated impacts of storm surge and sea level rise shall
50 be a consideration in the implementation and administration of
51 the City’s Comprehensive Plan, building and life-safety codes,
52 capital improvement plans, emergency management plans, land
53 development codes, water resource and stormwater

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management plans, coastal management plans, and economic development programs.

Policy 4.4.2: The City shall work with local, state, and federal entities in the continued assessment of vulnerabilities and the development of mitigation and adaptation strategies to address the impacts of sea level rise.

Objective 4.5: By 2020, the City shall designate Adaptation Action Area(s) identifying locations vulnerable to the impacts of sea level rise, include Adaptation Action Area mapping in the Future Land Use Plan map series, and define policies and strategies applicable to development, redevelopment, and investment in public facilities, infrastructure, and utilities addressing long term impacts.

Policy 4.5.1: Map Adaptation Action Areas to identify areas vulnerable to the impacts of sea level rise.

Policy 4.5.2: Identify and implement adaptation policies to increase community awareness and evaluate the impacts of requiring elevated finished floors, additional freeboard, and wet/dry flood proofing in areas outside designated flood plains but within the designated Adaptation Action Area.

Policy 4.5.3: Work with local, state and regional partners to identify funding sources to support adaptation projects located within Adaptation Action Areas.

Policy 4.5.4: Evaluate the costs and benefits of adaptation alternatives in the location and design of new infrastructure and the fortification or retrofitting of existing infrastructure.

Policy 4.5.5: After the mapping of Adaptation Action Areas, follow a regular program of assessment and reevaluation to ensure policies and strategies address known and anticipated risks associated with sea level rise. Activities shall include acquisition of necessary modeling data and programs to update the Adaptation Action Area map(s) in the City's Future Land Use Plan map series.

Objective 4.6: When constructing or reconstructing utilities or infrastructure, evaluations shall be completed to assess vulnerability and resilience to sea level rise and identify cost-effective strategies to ensure resilience.

Policy 4.6.1: The City shall continue to evaluate opportunities to protect public facilities, infrastructure, and utilities from the impacts of sea level rise.

Objective 4.7: Evaluate and identify which public investments and infrastructure should be built or rebuilt, modified or relocated to maximize the effective life span.

Policy 4.7.1: By 2020, identify public facilities and infrastructure at risk from sea level rise and plan for updates to the assessment every five

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years. The City shall analyze vulnerability to public facilities and infrastructure, including but not limited to: public buildings and facilities, including police and fire stations; water and water reclamation facilities, transmission lines and pumping stations; stormwater systems; roads and bridges; and other transportation and transit infrastructure.

Policy 4.7.2: Based on the sea level rise vulnerability assessment, the City will determine appropriate strategies related to the modification in place [e.g. elevation, hardening, relocation, etc.] or strategic retreat from areas at risk.

Policy 4.7.3: Evaluate elevating roads and bridges above the base flood elevation to maintain dry access. In situations where flood waters tend to wash roads out, construction, reconstruction, or repair can include not only attention to drainage, but also stabilization or armoring of vulnerable shoulders or embankments.

Policy 4.7.4: By 2020, expand upon existing emergency management communication efforts and initiate a program to coordinate resilience and adaptation initiatives with the owners of private utilities, hospitals and clinics, nursing homes and assisted living facilities, and other privately-operated facilities in locations identified as vulnerable to impact from sea level rise.

GOAL #5: The City shall accomplish post-disaster redevelopment in a manner that shall minimize public and private vulnerabilities to future disasters.

Objective 5.1: Post-disaster redevelopment shall be governed by all applicable codes and standards as well as complying with applicable state and county construction regulations.

Policy 5.1.1: Damaged infrastructure shall continue to be repaired or rebuilt to minimize the potential for future damage. Unless the facility is necessary to serve the population of the coastal storm area, consideration shall be given to relocating public facilities outside the coastal storm area.

Policy 5.1.2: Temporary-building moratoriums may be declared in the coastal storm area when 50% or more of the homes have been destroyed in order to assess impacts and feasibility of redevelopment.

Policy 5.1.3: Repair and rebuilding of critical facilities such as water facilities, sewage treatment plants and lift station and other utilities damaged in future storms shall be reconstructed to minimize hurricane and flooding vulnerability.

Policy 5.1.4: Coastal infrastructure shall be maintained and replaced as necessary to insure adequate Levels of Service to the existing population and to projected population increases at the planned density consistent with the Future Land Use Element.

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Objective 5.2: Post-disaster redevelopment plans shall include provisions for repair and cleanup, assessment of infrastructure and limiting redevelopment of repeated damage properties.

Policy 5.2.1: The City shall continue to review inventories of repetitive loss properties provided by FEMA and continue working with state officials to improve the process of reducing vulnerability and loss for listed properties.

Policy 5.2.2: As part of post-disaster planning and management, the City shall prepare inventories of properties for acquisition and removal, including repetitive loss properties, and establish clear priorities for the use of acquisition resources.

Policy 5.2.3: As part of the process of defining and establishing policies for development and redevelopment in the Adaptation Action Areas, the City shall assess existing regulations and standards for post-disaster redevelopment, and such standards shall address the replacement, removal, relocation or structural modification of damaged and unsafe structures and infrastructure and distinguish between the recovery phase and long-term redevelopment.

Objective 5.3: The reestablishment of businesses after a disaster is critical to the redevelopment of the coastal storm area.

Policy 5.3.1: The City will cooperate with local businesses and organizations to aid in disaster planning and recovery for businesses located within the coastal storm area.

Policy 5.3.2: The City will cooperate with the Chambers of Commerce in developing an informational program about hurricane preparedness for local businesses.

Objective 5.4: Water-dependent uses such as marinas, boat launch or dock facilities shall be given a higher priority over other uses.

Policy 5.4.1: The City will encourage the preservation of recreational and commercial working waterfronts and marinas and other water-dependent facilities.

Policy 5.4.2: The City discourages the rezoning of recreational and commercial working waterfronts.