



# Plan It! Pompano

## CONSERVATION ELEMENT

**Purpose and Direction:** The Conservation Element goals, objectives and policies are centered around water quality, quantity and conservation; air quality; and the protection of natural resources found within the City.

The policies support climate change adaptation by ensuring the beach and dune system, which provide a natural barrier to storm surge and the impacts of sea level rise, are maintained and enhanced whenever possible; water withdrawal from the Biscayne Aquifer is effectively managed and the reuse water irrigation system is expanded to hold back the saltwater intrusion line as sea levels rise.

## Goals, Objectives, and Policies

**Goal 10:** To protect, enhance and effectively manage the natural resources of the City in order to achieve a high environmental quality including factors that affect carbon attenuation and energy conservation.

### Objective 10.01.00 – Air Quality

The City shall put forth an effort to ensure compliance with the minimum air quality standards established by the Florida Department of Environmental Protection and the Broward County Environmental Protection and Growth Management Division including factors that affect energy conservation.

#### Policy 10.01.01

The City shall coordinate efforts to preserve air quality with Broward County Environmental Protection and Growth Management Division and will review all proposed development with respect to potential impacts on regional air quality with negative impacts eliminated or effectively mitigated.

#### Policy 10.01.02

The City shall develop a Climate Change Mitigation and Adaptation Program that supports mitigation and sensitivity to the impacts of climate change in coordination with other municipalities, Broward County, private businesses, other governmental agencies and the State of Florida. This program will focus on mitigating the causes and consequences of greenhouse gas emissions in a cost-effective and efficient manner that preserves the City's overall values and quality of life.

### Objective 10.02.00 – Surface Water Quality

The City shall continue to undertake the following actions to assure surface water quality including impacts on the ocean are minimized and all conditions of the City's National Pollution Discharge Elimination System (NPDES) permit are met.

#### Policy 10.02.01

Enforce the City regulations that require new development retain the first flush of storm water before it enters surface water bodies, minimize the direct discharge of stormwater runoff into such water bodies and enforce the City regulations that provide for the protection and creation of surface waters in conformance with policies and "best management practices" of the State and the South Florida Water Management District.

#### Policy 10.02.02

The City shall encourage the appropriate agencies to monitor wastewater discharged into the ocean to assure compliance with secondary wastewater standards and ensure all ocean outfalls are terminated by the 2025 deadline.

#### Policy 10.02.03

The City shall report all prohibited discharges of untreated wastewater into canals and the Intracoastal Waterway to Broward County and/ or the South Florida Water Management District.

#### Policy 10.02.04

The City shall encourage the planting of acceptable vegetation along waterways to provide cleansing action.

#### Policy 10.02.05

The City shall keep any ocean sewage outfall at least one mile from the off-shore coral reef tract and ensure all ocean outfalls are eliminated by the 2025 statutory deadline.

#### Policy 10.02.06

Broward County requires all marinas to have pump-out facilities and to obtain a permit for such operation. Discharge from boats into the surface water is prohibited.

**Policy 10.02.07**

The City and other regulatory agencies shall require the use of proper turbidity control measures during any major operation (e.g. beach re-nourishment) in the vicinity of the coral reef and the responsible permitting agency shall monitor the measures.

**Policy 10.02.08**

The City shall coordinate with Broward County in the environmentally sensitive management of aquatic weeds.

**Policy 10.02.09**

The City shall conduct canal dredging in an environmentally sound manner.

**Policy 10.02.10**

The City shall encourage the rapid cleanup of any off-shore oil spill; this is the responsibility of County and Federal agencies.

**Policy 10.02.11**

The City shall conform to the flood management plans of the County, South Florida Water Management District and local drainage districts in order to maintain adequate flood carrying and storage capacities.

**Policy 10.02.12**

The City shall encourage the use of on-site lakes to meet irrigational water needs.

**Policy 10.02.13**

The City shall preserve and manage wetlands in compliance with the County, State and Federal regulations.

**Policy 10.02.14**

The City shall continue to maintain Chapter 53 of the Land Development Regulations to ensure consistency with Broward County Code of Ordinances which establish stormwater quality standards.

**Objective 10.03.00 – Ground Water Quality**

The quality and quantity of the City's groundwater resources shall be maintained and, where possible, enhanced.

**Policy 10.03.01**

The City shall make certain that all development within a production "wellfield cone of influence" complies with the County Wellfield Ordinance.

**Policy 10.03.02**

The western wellfield production quantity and quality shall be monitored particularly because of the increasing reliance on that wellfield.

**Policy 10.03.03**

City policies shall promote water conservation and, wherever possible, promote and continue the use of re-use water for irrigation.

**Policy 10.03.04**

The City shall keep current the emergency water conservation plan.

**Policy 10.03.05**

The City shall make certain that all unused wells are capped (per County and SFWMD regulations) to avoid pollution.



**Policy 10.03.06**

The City shall continue to explore alternative sources of water.

**Policy 10.03.07**

The City shall, within its jurisdiction, enforce the graduated detailed and specific water reductions set forth by the South Florida Water Management District during times of water shortage as well as the established year-round water-use restrictions.

**Policy 10.03.08**

The City shall continue its water reuse program to combat saltwater intrusion and conserve potable water.

**Policy 10.03.09**

Protect and conserve the water resources of the Biscayne Aquifer by reducing the per capita demand for potable water and developing alternative water supplies, primarily reuse water.

**Policy 10.03.10**

The City will continue to update the 10-Year Water Supply Plan within 18 months of adoption of any update to the Lower East Coast Water Supply Plan by the SFWMD.

**Objective 10.04.00 – Soil Erosion**

The City shall enforce the adopted soil erosion controls including those consistent with Chapter 27 of the Broward County Code.

**Policy 10.04.01**

All new development permits will comply with City regulations requiring shoreline and slope stabilization during and after all development activity, including vegetative stabilization after development.

**Policy 10.04.02**

The City shall work with the U.S. Soil Conservation Service in their soil erosion control program.

**Policy 10.04.03**

All mining and quarrying activities in Pompano Beach shall comply with the permit requirements of the Broward County Department of Environmental Protection.

**Objective 10.05.00 – Native Plant & Wildlife Protection**

Ecological communities identified by Broward County and the City as known to contain plant species listed in the Regulated Plant Index for protection by the Florida Department of Agriculture and Consumer Services shall be managed, protected and conserved, as appropriate.

**Policy 10.05.01**

In reviewing development applications or park proposals, efforts will be made to preserve native vegetative communities.

**Policy 10.05.02**

City policies and ordinances will support Broward County's efforts:

- a. The sea turtle head start program, including beach lighting controls, and
- b. The Florida Manatee protection program, including concerted winter enforcement of boat speed regulations.
- c. Protect and conserve those areas known to be reproduction, nesting and feeding areas for animals listed as endangered or threatened species or species of special concern which are in locations appropriate and safe for wildlife.

### **Objective 10.06.00 – Natural Habitats**

The City shall use a combination of public education, land acquisition and ordinances to achieve protection or mitigation of the remaining natural habitats.

#### **Policy 10.06.01**

In accordance with the City landscape ordinance continue to encourage the planting of native vegetation coupled with the removal of exotic vegetation as a part of the site plan review process.

#### **Policy 10.06.02**

The City ordinances shall require mitigation of all adversely impacted wetlands.

#### **Policy 10.06.03**

The City ordinances shall encourage the planting of vegetation along the shores of ponds, lakes, borrow pits, and swales.

#### **Policy 10.06.04**

The City shall require that fisheries, wildlife habitat, lakes, floodplains, estuarine marshes and marine habits are preserved and conserved in compliance with applicable County, State and Federal regulations.

#### **Policy 10.06.05**

The City shall coordinate inter-governmentally when opportunities for the preservation or conservation of unique vegetative communities are located within multiple governmental jurisdictions.

#### **Policy 10.06.06**

The City will require environmental assessments of development proposals of vacant properties to ensure that the presence of protected plant or animal species are known and significant impacts can be mitigated as part of the redevelopment process.

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### **Objective 10.07.00 – Hazardous Waste**

The City shall comply with the County hazardous waste management program relative to the storage, recycling, and disposal of hazardous waste.

#### **Policy 10.07.01**

The City shall coordinate with the County's emergency response plan to handle accidents involving hazardous wastes.

#### **Policy 10.07.02**

The City shall promote the recycling of hazardous wastes by:

- a. Distributing lists of approved recyclers, and
- b. Publicizing County "amnesty days".

#### **Policy 10.07.03**

The City will continue to encourage the designation, clean up and redevelopment of Brownfield sites.

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### **Objective 10.08.00 – Dune Restoration**

The sand dune system shall be protected and enhanced in all City and private sector projects in accordance with a Beach Master Plan to be prepared and adopted by the City.

#### **Policy 10.08.01**

The City shall use its development code standards for the beach sand dune to assure the private sector provides proper location, vegetation, walkovers, etc., when private development takes place.

#### **Policy 10.08.02**

The City shall work with the Broward County Department of Environmental Protection to assure that any beachfront construction obtains a Coastal Construction Permit.

## **Objective 10.09.00 – Flood Protection**

Require all substantial improvement, new development and redevelopment to be consistent with the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM); Chapter 152 of the City's Code and future maps being prepared to determine appropriate finished floor elevations based on 2-feet of sea level rise by 2060.

### **Policy 10.09.01**

Continue to require all substantial improvement, new development and redevelopment to be consistent with the minimum finished floor elevations as specified in the Federal Emergency Management Administrations Agency Flood Insurance requirements, the South Florida Building Code, Chapter 152 of the City's Code of Ordinances and future maps being prepared to determine appropriate finished floor elevations based on 2-feet of sea level rise by 2060.

### **Policy 10.09.02**

Continue to enforce the land development regulations in Chapter 152 of the City's Code of Ordinances which require finished floor elevations be above the highest point of the adjacent road crown elevations for all new development and substantial improvement in areas that are not identified as flood zones on the FEMA FIRM or where the required finished floor elevation would otherwise be lower.

### **Policy 10.09.03**

The City shall maintain the National Flood Insurance Rate Maps and future maps being prepared which identify appropriate base flood elevations based on 2-feet of sea level rise by 2060 in GIS format which enables users to easily identify individual properties.

### **Policy 10.09.04**

The City shall participate in various processes which seek to update the existing 100 year flood plain maps.