

## CONSERVATION ELEMENT

### GOALS, OBJECTIVES AND POLICIES

- GOAL 1** To preserve and enhance the significant features in Plantation.
- OBJECTIVE 1.1** To improve air quality (particularly ozone and carbon monoxide) and thus assure continued compliance with EPA air quality regulations. See policies for measurability.
- Policy 1.1.1** Continue to require suitable landscaping (and the maintenance thereof) as part of new private development and to landscape public areas, particularly street tree planting.
- OBJECTIVE 1.2** To help meet County water bodies and maintain pollution-free wellfields; see policies for measurability.
- Policy 1.2.1** Cooperate with the County as they 1) monitor groundwater quality in the wellfields, and 2) enforce their Wellfield Protection Ordinance and related storage tank or hazardous waste regulations.
- Policy 1.2.2** Use the zoning and land use plan process to continue to restrict wellfield land uses to residential, neighborhood commercial and open space uses.
- Policy 1.2.3** Continue to conform to the County emergency water conservation ordinance which is based upon the South Florida Water Management District model.
- Policy 1.2.4** The City shall use various public information techniques to encourage residents and lawn maintenance firms to minimize lawn fertilization which is adversely impacting local canals through high levels of nitrogen and phosphorus, and low levels of oxygen.
- Policy 1.2.5** The City shall use xeriscape landscaping to a greater degree to minimize fertilizer and water use.
- Policy 1.2.6** As a part of a second phase of revising the development code, review (and revise as necessary) provisions relative to hazardous waste storage and the protection of natural resources from hazardous waste.
- OBJECTIVE 1.3** Experience no net loss of significant native vegetative cover or top soil and thereby also assist wildlife habitat conservation.
- Policy 1.3.1** The City shall continue to protect and conserve the native wooded areas in the City through the Tree Protection Ordinance

(Ordinance No. 1525, 1/6/88), which establishes criteria and standards for tree removal and required replacement. (Ord. No. 2146, 2/18/98)

- Policy 1.3.2** Through sensitive park maintenance and the development review process, preserve the significant native vegetation areas cited in the inventory. Include development code criteria to assure this preservation when private development occurs. The Parks and Recreation Department shall use these criteria to guide Park maintenance.
- Policy 1.3.2A** Protect and conserve those areas known to contain plant species listed in the Regulated Plant Index for protection by the Florida Department of Agriculture and Consumer Services. (Ord. No. 1974, 4/13/94)
- Policy 1.3.3** Monitor all developer agreements to assure preservation of their required open space including ponds.
- Policy 1.3.4** Continue the City programs of 1) street tree plantings 2) pursuit of drainage or utility rights-of-way for maintenance-free landscaped open space corridors and 3) pervious cover and landscape requirements in the development code. (See Recreation and Open Space Element.)
- Policy 1.3.5** The City will continue to work with the South Florida Water Management District (SFWMD) and with Davie and Sunrise to construct a linear park along the New River Canal. (Ord. No. 2146, 2/18/98)
- Policy 1.3.6** Encourage major residential development to provide ponds with gently sloping vegetated banks to further wildlife habitats.
- Policy 1.3.7** The City shall continue to require that all landscaped areas in the City shall have natural subgrade material as exists in the City. Minimum topsoil depths are mandated based on the material to be planted. (Ord. No. 2146, 2/18/98)
- Policy 1.3.8** 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. (Ord. No. 1974, 4/13/94)
- Policy 1.3.9** The City's land development regulations shall address the reclamation of completed mining excavations and their compatibility with existing surrounding land uses. (Ord. No. 1974, 4/13/94)
- Policy 1.3.10** The Landscape Department may award the designation of certified wildlife habitat to a homeowner's yard that qualifies for this program.
- OBJECTIVE 1.4** Avoid damage to real property as a result of flooding.

- Policy 1.4.1** Ensure that the flood plain provisions conform to 1) Federal Emergency Management Agency (FEMA) standards, and 2) Regional Planning Council Policy Plan standards relative to first floor and parking lot elevations.
- Policy 1.4.2** The City's land development code shall contain floodplain protection provisions consistent with the criteria and mapping of the Federal Emergency Management Administration. (Ord. No. 1974, 4/13/94)
- Policy 1.4.3** Through provisions in the land development regulations public roads and parking lots shall be designed consistent with the criteria of the South Florida Water Management District. (Ord. No. 1974, 4/13/94)
- Policy 1.4.4** Regulate development on flood prone soils, as defined by the U.S. Soil Conservation Service, consistent with the criteria and mapping of the Federal Emergency Management Administration. (Ord. No. 1974, 4/13/94)
- OBJECTIVE 1.5** The City will continue to implement hazard mitigation strategies, including the review of all permit applications to ensure structures are adequately anchored, resistant to flood damage and constructed by methods that minimize flood damage. (Ord. No. 1974, 4/13/94; Ord. No. 2146, 2/18/98)
- Policy 1.5.1** The City's land development codes and regulations shall provide for the protection and creation of surface waters in conformance with State and South Florida Water Management District policies. (Ord. No. 1974, 4/13/94)
- Policy 1.5.2** New development adjacent to or in the vicinity of surface waters shall be designed so as to minimize the direct discharge of stormwater runoff into such bodies of water. (Ord. No. 1974, 4/13/94)
- Note:** There are no commercially valuable minerals operations, no soil erosion problems, no estuarine or ocean water bodies, no true wetlands, no unique vegetative communities crossing City boundaries, and no fisheries so none of these objectives and policies are applicable. Specifically, the pertinent objectives are portions of 9J-5.013(21b 2, 3, and 4 and the policies portions of 9J-5.013(21c 2, 6 and 8).
- OBJECTIVE 1.6** The City will identify and utilize sources of water that can be used to meet existing and future needs when maintaining and updating the Water Supply Plan.

- Policy 1.6.1** In conjunction with the South Florida Water Management District (SFWMD) and other local governments, the City will seek the development of efficient, cost-effective, and technically feasible water sources that will supplement future demands, without causing adverse impacts to water quality, wetlands, and aquatic systems.
- Policy 1.6.2** The City will maximize the use of existing potable water facilities through the implementation of management techniques that can enhance a source of supply, sustain water resources and related natural systems, and/or optimize water supply yield. These techniques may include, but are not limited to, water conservation (i.e. through ordinance changes to the City Code, imposing permanent water restrictions year round, implementing a tiered water rate structure, etc.), additional permeate recovery, reclaimed water, aquifer storage recovery, system interconnects.
- Policy 1.6.3** The City’s annual water consumption will be equal to or less than the amount allocated under the SFWMD issued consumptive use permit.
- Policy 1.6.4** The City will participate in the implementation of the Florida Water Conservation Initiative, updates of the SFWMD’s water supply assessments, and updates of the *Lower East Coast Regional Water Supply Plan*, as may be amended from time to time, to enable the City to design and implement an effective water supply plan.
- Policy 1.6.5** The City shall implement a water conservation ordinance by June 2009. The purpose of this ordinance is to reduce the per capita water usage by a minimum of 10%, within 5 years of adopting the ordinance, utilizing the 158 GPD as published in the SFWMD Lower East Coast Water Supply Plan Update 2005-2006.
- 1) The City shall continue to record water useage and compare data to previous years for one method of measurability.
  - 2) The City shall also track the water usage through the SFWMD Conservation Audit. The next audit is June 10, 2009 with audits scheduled every five years following June 10, 2009.
  - 3) The City will continue to replace water meters with “smart meters” for better tracking of water use and tracking of possible leaks.
- Policy 1.6.6** The City shall continue to enforce violations of the SFWMD water restrictions.
- Policy 1.6.7** The City shall continue to research water conservation strategies an implement new water conservation projects as required to assist in reducing the per capita water consumption as laid out in Policy1.6.5 above, and Infrastructure Element Policies 7.5.4 and 7.5.5.
- Policy 1.6.8** The City shall implement a high level disinfection and reuse water project to irrigate the City owned golf course (Plantation Preserve) and Jacaranda Golf Club.