

**CONSERVATION
GOALS, OBJECTIVES AND POLICIES****GOAL CON 1: AIR AND WATER RESOURCES**

Promote the attainment and preservation of clean air and water in the Eustis Planning Area.

OBJECTIVE CON 1.1: WATER AND AIR QUALITY

To assist federal, state, regional, and county efforts on an ongoing basis to improve water and air quality within prescribed standards and compliance schedules.

Policy CON 1.1.1: Water Quality Permit Requirements

The City shall continue to mandate that applicants meet all applicable permit requirements relating to water quality, including those of the St. Johns River Water Management District and Florida Department of Environmental Protection, as provided for in the land development review procedures in the Land Development Regulations.

Policy CON 1.1.2: Water Quality Local Regulations for Hazardous Materials

The City shall, by year-end 2012, adopt local regulations relating to the storage and disposal of hazardous materials consistent with applicable federal, state, and county regulations and procedures. These regulations will apply, at a minimum, to the locations and frequencies of land uses which require underground or above ground storage of hazardous materials, in relation to surface waters, designated wellhead protection areas, and aquifer recharge areas.

Policy CON 1.1.3: Water Quality Program

The City shall, on a continuing basis, participate in discussions with Lake County, the Lake County Water Authority, and the St. Johns River Water Management District leading to the design and implementation of a program to monitor water quality in key lakes in the planning area and the establishment of joint stormwater runoff management and waste disposal guidelines and improvement programs.

Policy CON 1.1.4: Growth Control Programs for Invasive Aquatic Weeds

The City shall continue to participate in discussions with the Lake County Water Authority, the St. Johns River Water Management District, and/or the Florida Department of Environmental Protection leading to design and implementation of programs to control growth of invasive aquatic weeds in local lakes and waterways.

Policy CON 1.1.5: Floodplains

Land development shall not be permitted in the 100-year floodplain unless the following criteria are met:

- a. Public wastewater service is provided. Alternatively, on-site waste disposal may be used only where it is permissible by state and local agencies having jurisdiction and where public sewer service is unavailable and is not included in the current five-year Capital Improvements Program;
- b. Gross residential density is less than two (2) units per acre
- c. Public water service is provided;
- d. Wetlands and other designated environmentally sensitive resources are not displaced;
- e. Impervious surfaces in a development, including road pavement, are limited to 25 percent; and
- f. There is no net loss of flood storage capacity

Policy CON 1.1.6: Lakeshore Development Limitations

The Land Development Regulations shall continue to limit development in areas near lake shorelines, as follows:

- a. Erosion control plans will be required for all subdivisions and building sites in areas within 400 feet from lake shorelines, including provisions for retaining trees and other natural vegetative cover. Ground disturbing activities will be minimized in all cases.
- b. At a minimum, a ten-foot buffer area of undisturbed uplands vegetation will be provided from the mean high water line of lakes. No net loss of 100-year flood storage area or wetlands function will be permitted.
- c. On-site waste disposal methods may be permitted in these areas, [but only within the front yard (the yard furthest from the lake)] provided that soil conditions are acceptable (see Policy CON 2.1.1), no practical connection to a public system can be made, and disposal facilities are placed not closer to the mean high water line of a lake than 100 feet. The 100 ft. setback does not apply to lots that do not have sufficient depth to meet the 100 ft. setback and that were platted and recorded as of July 1, 2010, provided that the on-site disposal facility is located as far as possible from the mean high water line in accordance with the other provisions of this policy.
- d. Subdivisions having more than 10 lots will be required to install dry lines for future connection to a public sewer system where such connection is scheduled or can be made realistically within five years from preliminary plat approval.

Policy CON 1.1.7: Public Sewer Service to High Recharge Areas

The city will continue to implement its phased program to provide public sewer service in high recharge areas, in designated wellhead protection

areas, and to developed and developing areas within 400 feet of lake shorelines where such service is not presently available, provided that such service extensions are found to be economically feasible or otherwise determined to be necessary to maintain water quality. When service is available in these areas, the city will mandate connection to the public sewer system.

Policy CON 1.1.8: Development Regulation within High Recharge Areas

The City shall continue to regulate development within high recharge areas and designated wellhead protection areas of public water supply wellheads as follows:

- a. At a minimum, conform to Rule 62-521, FAC (Wellhead Protection) adopted by the Florida Department of Environmental Protection regarding types of restrictions within designated wellhead protection areas;
- b. Limit impervious surface areas, including roofs and pavement, in high recharge areas and designated wellhead protection areas, except that impervious cover factors may be increased for infill locations in already developed areas of the same or greater intensity; and
- c. On-site waste disposal methods may be used only where permissible by state and local agencies having jurisdiction and where public sewer service is unavailable and is not included in the current five-year Capital Improvements Program.

High recharge areas are identified in Map #12 and Designated Wellhead Protection Areas are those set forth in Map #5.

Policy CON 1.1.9: Air Quality

The City shall coordinate with adjacent municipalities and Lake County to comply with or exceed air quality standards established by the Florida Department of Environmental Protection (FDEP), including the following actions:

- a. Through the adopted land development regulations and the development review and approval process, regulate uses to prevent adverse impacts to air quality.
- b. Reduce impacts from automotive emissions by:
 - (1) Encouraging multi-use developments which provide for greater internal trips and facilitate pedestrian trips thereby reducing the number and decreasing the length of local automotive trips;
 - (2) Requiring vegetative buffers along roadways; and
 - (3) Promoting alternative transportation modes such as bicycle and pedestrian paths.
- c. Through enforcement of building codes, provide proper ventilation and restrict use of hazardous construction materials in order to promote safe indoor air quality.

Policy CON 1.1.10: Protection and Replanting of Trees

The City shall maintain provisions in the Land Development Regulations for the protection and replanting of trees as natural air pollution filters in the community.

OBJECTIVE CON 1.2: STORMWATER MANAGEMENT

To take actions on a continuing basis to improve local surface water quality through implementation of Best Management Practices and regulations to minimize potential nonpoint pollution sources in accordance with the policies below.

Policy CON 1.2.1: Drainage Program

The City shall participate on a continuing basis in discussions with Lake County, the Lake County Water Authority, the St. Johns River Water Management District, the Florida Department of Transportation, and others leading to a program which (1) establishes reasonable and effective standards and procedures which can be applied to existing developed areas as a basis for individual or joint improvement programs designed to correct deficiencies and (2) delineates intergovernmental solutions to drainage problems in these areas. Such a program will also address or include:

- a. Determination of those basins, subbasins, and waterbodies in the Eustis area to be included;
- b. Improvement of existing drainage in unincorporated sections of the planning area; and
- c. Establishment of a system to monitor the quality of discharges into receiving waters using certain pollution indicators.

Policy CON 1.2.2: Correction of Existing Drainage Deficiencies

The City will participate, on an ongoing basis, (based on facts and needs determined using the process outlined in Policy CON 1.2.1 above) in the correction of existing drainage deficiencies, including remediation of surface water pollution from urban runoff, consistent with the requirements of Rule 62-40.420, FAC through the following actions:

- a. Establishment of Best Management Practices (BMPs) applicable to existing areas of development and
- b. Improvement of facilities as recommended in the 2005 Update to the Master Stormwater Plan.

Policy CON 1.2.3: Best Management Practices for Surface Water Quality

The City shall implement Best Management Practices (BMPs) on an ongoing basis to improve surface water quality through the Land Development Regulations and through public improvements as scheduled in the annually updated five-year Capital Improvements Program commensurate with the availability of funds through the stormwater utility,

grants from other levels of government, and other sources. Such BMPs, based on recommendations contained in the 2002 Master Stormwater Plan and 2005 Update, shall include, where appropriate:

- a. Reverse berms in areas where existing drainage facilities outlet directly into lakes;
- b. Dry retention/detention basins for soils with good percolation;
- c. Wet retention/detention basins for soils with high water table characteristics and poor percolation;
- d. Construction of roadway swales;
- e. Exfiltration trenches;
- f. Use of wetland systems;
- g. Use of grass inlets;
- h. Multi-component sedimentation/filtration retention/detention ponds; and
- i. Vegetative swales, landscaped bump-outs, and bio-retention systems

Policy CON 1.2.4: Mitigation of Stormwater Impacts

The City shall on a continuing basis implement a phased multi-year program of improvements needed to mitigate existing runoff impacts commensurate with available local, state, and federal funding. The City will aggressively seek outside support in the form of grants from the Florida Department of Transportation, Florida Department of Environmental Protection, the St. Johns River Water Management District, and the Lake County Water Authority for the implementation of this program.

Policy CON 1.2.5: LOS Standards for New Development

The City shall adopt level of service (LOS) standards principally applicable to new development as follows:

- a. Rate of Discharge. The post-development peak rate of discharge shall not exceed predevelopment conditions based on a 50-year, 24-hour storm for areas having positive drainage outfall, and a 100-year, 24-hour storm for areas which do not have positive drainage outfall.
- b. Volume of Discharge. The post-development volume of discharge shall not exceed predevelopment conditions based on a 100-year, 24-hour storm for certain drainage basins identified in the 1990 Stormwater Facilities Study. Volumes of discharge for other basins may meet lesser requirements to be determined.
- c. Retention/Detention. Minimum on-site retention/detention for pollution abatement purposes shall be as determined by the St. Johns River Water Management District (SJRWMD) per Rule 40C-42, FAC.

Policy CON 1.2.6: Requirements for Water Quality Standards for Stormwater Discharge

The City shall adopt the requirements of Rule 62-25, FAC for water quality standards for stormwater discharge for all new and existing stormwater management systems. As part of this adoption by reference, the City includes the following clarifications and exceptions:

- a. The City does not mandate that existing facilities must be retrofitted to meet these standards. Such retrofitting will be accomplished through the funding constraints of the City's stormwater utility and other revenue sources.
- b. Stormwater management systems which satisfy the appropriate state or regional regulatory design and performance criteria are deemed to satisfy the stormwater discharge water quality standards.
- c. Stormwater management systems that comply with adequate locally or regionally established level of service standards shall also be deemed to satisfy the stormwater discharge water quality standards.
- d. The City of Eustis may, at its discretion, allow exemptions to the stormwater management water quality standards to the extent that such appear in state or regional stormwater management water quality laws or regulations.

This policy does not mandate that the City conduct water quality sampling or testing of stormwater discharge receiving waters to implement the standards of the policy.

Policy CON 1.2.7: Provision of Public Sewer Service to Lake Shoreline Areas

The City shall initiate, in accordance with the final rules resulting from the implementation of the Wekiva Parkway and Preservation Act, a phased program to provide public sewer service to developed and developing areas within 400 feet of lake shorelines where such service is not presently available, provided that such service extensions are found to be economically feasible or otherwise determined to be necessary to maintain water quality. When service is available in these areas, the City will mandate connection to the public sewer system.

OBJECTIVE CON 1.3: GROUNDWATER PROTECTION

To continue to protect the integrity of groundwater resources in the community through the implementation of design standards (performance and technical) and operating standards including Best Management Practices (BMPs) regarding water consumption and location of development in relation to high recharge areas and designated wellhead protection areas.

Policy CON 1.3.1: Development Regulation within Wellhead Protection Areas and High Recharge Areas

The City shall continue to regulate development within designated wellhead protection areas of public water supply wellheads and in high recharge areas as follows:

- a. At a minimum, conform to Rule 62-521, FAC (Wellhead Protection) adopted by the Florida Department of Environmental Protection regarding types of restrictions within designated wellhead protection areas;
- b. Limit impervious surface areas, including roofs and pavement, in high recharge areas and designated wellhead protection areas, except that impervious cover factors may be increased for infill locations in already

- developed areas of the same or greater intensity; and
- c. On-site waste disposal methods may be used only where permissible by state and local agencies having jurisdiction and where public sewer service is unavailable and is not included in the current five-year Capital Improvements Program.

High recharge areas to which this policy will apply are included as a part of the Future Land Use map series in Map #12 Wekiva Study Area: Most Effective Undeveloped Recharge Areas. These areas shall be reviewed with local jurisdictions as a basis for interlocal cooperation and agreements regarding regulation of development of environmentally sensitive lands. Designated wellhead protection areas are included as a part of the Future Land Use map series in Map #5 Designated Water Wellhead Protection Areas and accepted by the City of Eustis.

OBJECTIVE CON 1.4: WATER CONSERVATION

To continue to implement water conservation measures to reduce per capita consumption of potable water supplies and depletion of groundwater resources during times of drought, based on the specific policies and timetables set forth below.

Policy CON 1.4.1: Installation of Low Volume Plumbing Fixtures in New and Renovated Buildings

The City shall, through the City's Building code, continue to require the installation of low volume plumbing fixtures in new and renovated buildings, consistent with requirements of the State Water Conservation Act (Chapter 553.14, FS).

Policy CON 1.4.2: Leak Detection and Correction Program

The City shall, on an ongoing basis, implement a leak detection and correction program for the City's water system and schedule needed improvements through the annually updated five-year Capital Improvements Program.

Policy CON 1.4.3: Water Conservation Programs

The City shall, on an ongoing basis, cooperate with the St. Johns River Water Management District in implementing educational and regulatory programs related to water conservation, including enforcement of periodic water consumption restrictions.

Policy CON 1.4.4: Water Use Rate Structure

The City shall review local water consumption trends no less frequently than biannually and, as needed, adjust the city's water use rate structure accordingly to maintain per capita consumption at or below previous levels.

Policy CON 1.4.5: Programs for Recycled Non-Potable Water Sources

The City shall continue to expand programs using recycled non-potable water sources for irrigation of public and private properties, including grey water, collected runoff, and treated effluent.

Policy CON 1.4.6 Criteria for Reuse of Stormwater

The City shall, by 2012 establish criteria for reuse of stormwater for irrigation purposes and supplementation of reclaimed water.

OBJECTIVE CON 1.5: WEKIVA SPRINGS WATER CONSERVATION/RESOURCES

To conserve water and protect the Wekiva spring system and groundwater and surface water resources of the Wekiva Springs Overlay Protection District.

Policy CON 1.5.1: Landscape Best Management Practices

The City shall require the use of landscaping Best Management Practices as described in *Guidelines for Model Ordinance Language for Protection of Water Quality and Quantity Using Florida Friendly Lawns and Landscapes* (Florida Department of Environmental Protection, September 2, 2003).

Policy CON 1.5.2: Landscaping at City Facilities

The City shall manage existing and future lawns and landscapes at all City facilities using the educational guidelines contained in the University of Florida Extension's Florida Yards and Neighborhoods Program, Environmental Landscape Management (ELM) principles, and Best Management Practices.

Policy CON 1.5.3: Best Management Practices Education

The City shall continue to coordinate with other local governments to develop and maintain programs to educate and encourage homeowners and private land owners to use Best Management Practices to protect natural habitat and to protect the quality and quantity of surface and groundwater resources within the Wekiva Springs Overlay Protection District.

Policy CON 1.5.4: Landscaping and Lawn Care Certification

The City shall encourage homeowners to be responsible in the application of fertilizers and pesticides, especially within the Wekiva Springs Overlay Protection District.

GOAL CON 2: LAND, VEGETATION, AND WILDLIFE RESOURCES

Protect and conserve environmentally sensitive resources, including soils, wetlands, woodlands, and other resources which provide habitat for endangered, threatened, and rare species of plants and wildlife and other important ecological functions.

OBJECTIVE CON 2.1: SOILS

To prevent soil erosion, on an ongoing basis, by recognizing soil limitations for development and requiring the utilization of Best Management Practices (BMPs).

Policy CON 2.1.1: Use of Septic Systems

The City shall continue to regulate the use of septic systems for on-site waste disposal in accordance with Florida Statutes and the requirements of FAC rule 64E 6. On-site sub-surface waste disposal methods may be used only where permissible by state and local agencies having jurisdiction and where public service is unavailable and not included in the Five Year Capital Improvements Element at the time of application.

No on-site subsurface waste disposal is permitted in areas having the soil types listed below, except for existing lots-of-record of not less than 25,000 square feet and provided that the on-site disposal method is permissible by state and local agencies having jurisdiction under Florida Statute.

- a. Anclote
- b. Manatee
- c. Iberia
- d. Felda
- e. Oklawaha
- f. Placid
- g. Pelham
- h. Ocoee
- i. Pompano
- j. Iberia and Manatee
- k. Anclote and Myakka
- l. Swamp
- m. Placid and Myakka
- n. Emeraldal
- o. Myakka and Placid
- p. Fellowship
- q. Brighton
- r. Montverde

Policy CON 2.1.2: Erosion Prevention

The City shall continue to provide for, in the Land Development Regulations, standards, site plan review procedures, and Best Management Practices to prevent soil erosion and loss during construction on and occupancy of a site, including provisions which address the following:

- a. Density and land coverage in areas having highly erodible soils. Standards include: development density, conservation area, conservation easement, and density transfer requirements and limitations;
- b. Time period between site clearance and initiation of construction standards for tree protection and removal;
- c. Time period between completion of construction and replanting, sodding, or seeding the site; and
- d. Submittal of soil removal and erosion prevention plans for all major

subdivisions and developments, as defined in the Land Development Regulations, including procedures for removal of vegetation, temporary soil stockpiling, and soil stabilization.

OBJECTIVE CON 2.2: MINERAL RESOURCES

To promote, on an ongoing basis, the conservation and commercial use of locally available mineral resources in an environmentally acceptable manner.

Policy CON 2.2.1: Extraction of Mineral Resources

The City may permit the extraction of mineral resources in Agricultural (AG) land use areas, provided that:

- a. Compatibility with existing and potential development can be shown in terms of the character, phasing, and buffering of the proposed mineral extraction activities;
- b. Compatibility with existing and potential development can be shown in terms of access to the proposed mineral extraction activities;
- c. The activity meets all applicable licenses, regulations, and standards and is permissible by state agencies having jurisdiction; and
- d. Excavation, erosion control, and reclamation plans are submitted and provide for the protection of surface and groundwater resources, wetlands, and upland habitat areas (or their mitigation) and for the productive reuse of land after excavation is discontinued.

OBJECTIVE CON 2.3: WETLANDS

To continue to preserve the integrity of locally and regionally significant wetland communities from urban encroachment and degradation through the Land Development Regulations and Best Management Practices.

Policy CON 2.3.1 Wetland Protection

The City shall continue to protect the natural functions provided by wetlands by first directing incompatible uses away from wetlands, and then by requiring conservation easements, setbacks/buffers, and/or mitigation consistent with the Uniform Mitigation Assessment method used by the St. John's River Water Management District.

Policy CON 2.3.2: Wetland Mitigation

The City shall consider wetland alteration with mitigation only as a last resort, and only if the City determines that encroachment in the wetland is the least damaging alternative and no practicable on-site alternative exists. Such mitigation activities should replace similar habitat and function, and shall result in no net loss of wetland functions as determined by SJRWMD. Preservation of upland habitat may be considered in certain instances if deemed appropriate by the City but shall not result in a net loss of wetland functions.

Policy CON 2.3.23: Wetland Encroachment

In determining whether an encroachment in the wetland is the least damaging to the wetland and that no practicable on-site (or when in same ownership, adjacent off-site) alternative exists, the City shall evaluate the following:

- a. The land use category according to the Future Land Use Map (FLUM) series of the site and surrounding parcels;
- b. Alternative designs which could accomplish the purpose of providing a minimal, reasonable, beneficial use including the encroachment on the wetland of such alternative design;
- c. The degree of impact to the wetlands; and
- d. The quality of the wetland and the wetland functions being served by the area proposed to be encroached upon.
- e. The requirements applied by SJRWMD through the permitting process.

Policy CON 2.3.4: Wetland Buffer

The City shall require, for all natural, protected wetlands, an undisturbed upland buffer consistent with SJRWMD requirements. The size of the buffer shall vary in proportion to the ecological value of the adjacent wetland. The wetland classes are as follows:

- a. Isolated – on-site wetlands entirely isolated hydrologically from off-site wetlands and not considered waters of the state
- b. Non-isolated – on-site wetlands that are connected hydrologically to off-site wetlands, but not through permanently standing water
- c. Stream or lake – on-site wetlands which are riparian or otherwise connected to off-site wetlands via permanent bodies of water.

The minimum and average size buffers are as follows:

Type	Average width	Minimum width
Isolated	25 ft.	10 ft.
Non-isolated	35 ft.	15 ft.
Stream/lake	50 ft.	35 ft.

Policy CON 2.3.5 Enforcement

The City shall continue to enforce and apply all special Federal, State, and local provisions that relate to the protection of wetlands and their functions.

OBJECTIVE CON 2.4: WILDLIFE

To protect, on a continuing basis, locally significant habitat for endangered, threatened, and rare species of terrestrial and aquatic animals.

Policy CON 2.4.1: Development Application Requirements

The City shall, on an ongoing basis, require applications for major subdivisions and developments requiring site plan approval to identify locally significant habitat areas potentially impacted by proposed development and include a plan and procedures for avoiding or mitigating potential impacts. Criteria and requirements will include:

- a. Use of some native vegetation in landscape plans and limitations on tree removal in accordance with the City's landscape and tree protection regulations and the minimum open space standards set forth under Objective 1.4 of the Recreation and Open Space Element;
- b. Minimum setbacks for land clearing and building construction activities from high water lines of lakes and waterways; and
- c. Retention of some native vegetation and open space for habitat maintenance and wildlife corridors, in accordance with policies under Objective 1.4 of the Recreation and Open Space Element.

Policy CON 2.4.2: Trout Lake Nature Center

The City shall continue to support the Trout Lake Nature Center, Inc. in implementing preservation and educational programs for the Trout Lake conservation area. This support may take the following forms:

- a. Donation of City-owned land for conservation and nature education purposes;
- b. Regulation of adjacent development to maintain the character of and access to the conservation area; and
- c. Participation in community awareness and educational programs, including nature walks, lectures, and other activities coordinated with the City of Eustis Recreation Department.

OBJECTIVE CON 2.5: OPEN SPACE/ENVIRONMENTAL PROTECTION

To conserve open space in the Eustis Planning Area for passive recreation use and natural beauty consistent with the Future Land Use and Recreation and Open Space elements.

Policy CON 2.5.1: Required Open Space

The City shall establish minimum open space standards for each future land use designation, where applicable, through the Future Land Use Element Appendix.

Policy CON 2.5.2: Reservation and Maintenance of Open Space

The City shall allow clustering of development in subdivisions or developments exceeding 5 acres in size to provide for the reservation and maintenance of common open spaces.

Policy CON 2.5.3: Open Space Maintenance

The City may accept jurisdiction for a dedicated common open space area where it finds the following:

- a. Public recreational opportunities are lacking and the site is well located to meet local needs based on adopted levels of service;
- b. The site is accessible for both public use and maintenance;
- c. Public access to and use of the site will be compatible with the proposed development and surrounding land uses; and
- d. Funding can be accommodated within normal budgeting processes and limitations and insurance liabilities are maintained within reasonable limits.

Policy CON 2.5.4: Acquisition of Open Space

The City may acquire open spaces needed to preserve and protect sensitive environmental and historical resources where it determines one or more of the following:

- a. The open space is part of a connected system of open spaces and will protect and preserve a sensitive environmental resource designated or delineated in the City or County Conservation Element;
- b. Requirements of the Land Development Regulations provide insufficient protection; and
- c. Grants are available to help defray acquisition costs.

Policy CON 2.5.5: Protection of Environmentally Sensitive Areas

The City shall, on an ongoing basis, undertake efforts to protect all designated environmentally sensitive areas in perpetuity as common open space through conservation easements, deed restrictions, or other means.

Policy CON 2.5.6: Intergovernmental Coordination

The City shall, at a minimum, coordinate annually with Lake County and other jurisdictions to ensure the protection of environmentally sensitive areas that cross jurisdictional boundaries.

Policy CON 2.5.7: Incentives for Citrus Grove Lands

The City shall, by 2012, consider incentives that would encourage landowners of land that is no longer farmed for citrus groves to return the land to its indigenous condition.

OBJECTIVE CON 2.6: LAND ACQUISITION

To support public land acquisition within the Wekiva Springs Overlay Protection District to protect and preserve through acquisition and management most effective recharge areas, karst features, and sensitive natural habitats including Longleaf Pine, Sand Hill, Sand Pine, and Xeric Oak Scrub.

Policy CON 2.6.1: Acquisition Partnerships

The City shall pursue funding opportunities and partnerships with state agencies and local governments through programs such as the Florida Communities Trust to acquire lands for preservation within the Wekiva Springs Overlay Protection District including, but not limited to, karst

features, habitat, corridors for wildlife movement, and most effective recharge areas. Both fee-simple acquisition of environmentally-sensitive land and less-than-fee simple conservation easements should be considered.

Policy CON 2.6.2: Wildlife Corridors and Greenways

The City shall coordinate with pertinent state and regional land acquisition and wildlife agencies to identify natural greenways and wildlife corridors to link public parks, preservation areas, and similar areas for aquifer recharge, conservation and habitat preservation purposes.

GOAL CON 3: GREEN DESIGN FOR THE BUILT ENVIRONMENT

Minimize the effects of urban development on the natural resources of the City, and to the regional environment.

OBJECTIVE CON 3.1: Green Design and Sustainable Techniques

To continue to review and update policies, codes and practices to provide guidance for new development to utilize worthwhile sustainable techniques, measures and materials as appropriate.

Policy CON 3.1.1: Incentives for Conservation Certified Projects

The City shall continue to provide incentives for energy efficient development as provided in the Land Development Code as detailed in Policy FLU 1.1.6 and shall review the Land Development Regulations as a part of monitoring the effectiveness of the Comprehensive Plan to determine if there are additional opportunities for development incentives that can be provided for projects that participate in energy efficient development programs.

Policy CON 3.1.2: Conservation Measures at the Regional Planning Scale

The City shall introduce green design concepts into the review and approval process for plan amendments and development applications and into the City's Capital Improvements Program through the following actions:

- a. Rely on the Joint Planning Area Map (Map #19) to define where future urban development shall occur;
- b. Apply standards for the Urban Design Districts (See GOAL FLU 2) that focus on infill development and redevelopment of the Central Business District to reinforce the compact mixed use development patterns of the downtown through higher densities and intensities that reduce vehicle miles traveled within the community and that will support multi-modal transportation networks;
- c. Apply standards for rural areas (See GOAL FLU 4) that establish specific options for the future development of these fringe areas, establish standards and guidelines to protect natural resource lands; and require context sensitive roadway design; and
- d. Continue to protect environmentally sensitive lands within the Wekiva Study Area (See GOAL FLU 5) through various means

including, but not limited to, increased open space requirements, best management practices and standards, and special design standards.

Policy CON 3.1.3: Existing Green Design at the Site Planning Scale

The City shall continue to support and require green design concepts as a part of the site plan review and approval process through the City's Land Development Regulations that:

- a. Allow a mix of high density and intensity uses on development sites within the Central Business District;
- b. Reduce fertilizers in urban landscapes through urban-scape requirements;
- c. Require Florida Friendly Landscaping;
- d. Encourage and protect the City's connected street network of small streets through the establishment of block standards for urban design districts; and
- e. Protect water quality.

Policy CON 3.1.4: Future Green Design at the Site Planning Scale

The City shall introduce additional green design concepts into the site plan review and approval process through amendments to the Land Development Regulations by November 2011 that will:

- a. Provide incentives to reduce energy consumption; and
- b. Minimize air pollution through the inclusion of multi-modal transportation systems.

Policy CON 3.1.5: Principles for Energy Efficiency at the Building Scale

The City shall provide incentives at the building level to minimize energy and water consumption, limit or eliminate the use of toxic materials and reduce waste. The City will consider expanding its current incentive programs for development projects that are LEED certified to include lands within the Urban Design Districts and the Suburban Design Districts and amending its Land Development Regulations to create such types of incentives.

Policy CON 3.1.6 City Projects

The City, in its public development projects, will utilize worthwhile sustainable techniques, measures and materials as appropriate.