

City of Davenport

Polk County, Florida



"Gateway to the Ridge"

2030 Comprehensive Plan

Conservation Element

CONSERVATION ELEMENT

GOAL: IT SHALL BE THE GOAL OF THE CITY OF DAVENPORT TO ENHANCE, CONSERVE, AND APPROPRIATELY MANAGE ITS NATURAL RESOURCES FOR EXISTING AND FUTURE RESIDENTS. *[9J-5.013(2)(a)]*

AIR QUALITY

OBJECTIVE 1: THE CITY SHALL CONTINUE TO MEET THE MINIMUM AMBIENT AIR QUALITY STANDARDS, ESTABLISHED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THROUGHOUT THE PLANNING PERIOD. *[9J-5.013(2)(B)1]*

Policy 1.1: Upon adoption of this Comprehensive Plan, the City will require new and existing facilities that discharge gasses or particulates into the air to meet the minimum air quality standards as set forth in Florida Administrative Code, Chapter 9J-5.013(2)(c)10.

GROUNDWATER

OBJECTIVE 2: THE CITY SHALL CONSERVE AND PROTECT THE QUALITY AND QUANTITY OF ITS GROUNDWATER RESOURCES FROM ADVERSE IMPACTS AND INCOMPATIBLE USES. THIS SHALL BE ACCOMPLISHED THROUGH THE ADOPTION AND ENFORCEMENT OF LAND DEVELOPMENT REGULATIONS; THE ADOPTION AND IMPLEMENTATION OF A WATER CONSERVATION PROGRAM DESIGNED TO REDUCE PER CAPITA WATER CONSUMPTION BY TWO PERCENT PER YEAR; AND BY COORDINATING WITH THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND THE DEPARTMENT OF ENVIRONMENTAL PROTECTION IN IMPLEMENTING STRATEGIES AND PROCEDURES DESIGNED TO PROTECT THE CITY'S GROUNDWATER RESOURCES. *[9J-5.013(2)(B)2]*

Policy 2.1: The City shall request the assistance of Polk County and the Florida Department of Environmental Protection for the purpose of identifying and delineating areas of prime recharge to the Floridan Aquifer and cones of influence for municipal water wells. These areas are to be included on the Future Land Use Map or map series and the environmental map series. *[9J-5.013(2)(c)1]*

- Policy 2.2:** As a result of Policy 2.1, proposed land uses which are incompatible with designated prime groundwater aquifer recharge areas or water well cones of influence shall be disapproved. The use or storage of hazardous substances within designated prime groundwater aquifer recharge areas or water well cones of influence shall be regulated through the City's Land Development Regulations. *[9J-5.013(2)(c)1]*
- Policy 2.3:** As an interim measure pending the delineation of cones of influence, the City shall adopt wellhead protection standards to limit the density and intensity of land uses within a 200-foot radius of a public supply well. *[9J-5.013(2)(c)1]*
- Policy 2.4:** As part of the City's Land Development Regulations, adopt minimum development standards for retention and detention areas and for the amount of impervious surface material permitted in development. The City shall encourage the use of porous pavement and grid and modular pavement for new development located in identified high recharge areas. *[9J-5.013(2)(c)1]*
- Policy 2.5:** The City, in cooperation with the Southwest Florida Water Management District, shall adopt and implement a water conservation program designed to lower per capita water consumption by 2 percent per year; or bring per capita water consumption to within 5 percent of the Polk County average. *[9J-5.013(2)(c)1]*
- Policy 2.6:** Through reciprocal coordination, the City shall comply with and enforce the Southwest Florida Water Management District's "Water Shortage Plan" during periods of drought, declared water shortages, or water shortage emergencies. Water use restrictions shall be enforced by the Davenport Police Department and violators in the City's jurisdiction will be cited and brought before the Davenport Code Enforcement Board for appropriate action. *[9J-5.013(2)(c)4]*
- Policy 2.7:** The City shall request the State of Florida to determine if on-site septic systems pose a hazard to groundwater or surface water quality. *[9J-5.013(2)(c)2]*
- Policy 2.8:** As a result of Policy 2.7, sites that are determined to pose a threat to surface or groundwater quality, the City will coordinate with the Florida Department of Health and Rehabilitative Services to implement a program designed to monitor and recommend required improvements for defective septic systems. *[9J-5.013(2)(c)2]*

SURFACE WATER

OBJECTIVE 3: THE CITY SHALL CONSERVE, APPROPRIATELY USE, AND PROTECT THE QUALITY AND QUANTITY OF ITS SURFACE WATER RESOURCES. THIS SHALL BE ACCOMPLISHED THROUGH THE CONTINUED ENFORCEMENT OF LAND DEVELOPMENT REGULATIONS; AND THROUGH COORDINATION WITH AGENCIES THAT MONITOR USE AND CONDITIONS OF SURFACE WATER OR REGULATE SURFACE WATER QUALITY STANDARDS. *[9J-5.013(2)(B)2]*

Policy 3.1: Lakes shall be designated as "environmentally sensitive lands" whose hydrologic functions and habitat characteristics shall be protected through the enforcement of land development regulations, including zoning, site plan review, buffer zones, minimum setback requirements, regulation and prohibition of certain uses, and stormwater treatment regulations. Development shall be restricted to access structures, such as boat ramps and boardwalks, only. *[9J-5.013(2)(c)(1,9)&(3)(b)]*

Policy 3.2: In order to minimize the impact of on-site wastewater disposal systems on the quality of surface water and groundwater, the City shall enforce development standards which prohibit the location of new septic systems in wetlands, floodplains and areas containing soils with "severe" limitations or which do not pass percolation tests conducted by the State of Florida. Existing septic systems located in areas with severe soil limitations may be maintained or replaced to provide more efficient wastewater treatment. *[9J-5.013(2)(c)2]*

FLOODPLAINS AND WETLANDS

OBJECTIVE 4: THE CITY SHALL INCLUDE IN ITS LAND DEVELOPMENT REGULATIONS, DEVELOPMENT STANDARDS AND MITIGATION PROCEDURES TO CONSERVE, APPROPRIATELY USE, AND PROTECT THE NATURAL FUNCTION OF FLOODPLAINS AND WETLANDS. *[9J-5.013(2)(B)2]*

Policy 4.1: As part of the Future Land Use Map, include a "Conservation District" designed to regulate the density and intensity of land uses in floodplains and wetlands. *[9J-5.013(2)(c)1,5,6,8,9]*

Policy 4.2: As part of Land Development Regulations, require the floor elevation of all permanent structures be constructed at least one foot above the 100-year flood elevation. *[9J-5.013(2)(c)1,6]*

Policy 4.3: As part of Land Development Regulations, include wetland protection standards to ensure that no net loss of wetlands occurs within the City.

Wetlands mitigation shall be subject to standards established by the Southwest Florida Water Management District. *[9J-5.013(2)(c)1,6,8,9]*

MINERALS, SOILS, AND VEGETATIVE COMMUNITIES

OBJECTIVE 5: **THE CITY SHALL CONTINUE TO ENFORCE ITS LAND DEVELOPMENT REGULATIONS DEVELOPMENT STANDARDS AND OTHER ACTIVITIES DESIGNED TO CONSERVE, APPROPRIATELY USE, AND PROTECT THE QUALITY AND QUANTITY OF MINERALS, SOILS, AND NATIVE VEGETATIVE COMMUNITIES. *[9J-5.013(2)(B)3]***

Policy 5.1: The City shall incorporate Best Management Practices to minimize soil erosion as part of any public construction or development activities undertaken by the City and encourage Best Management Practices in private development. *[9J-5.013(2)(c)(6)]*

Policy 5.2: The City shall ensure the protection of any identified natural reservations, resulting from amendments or revisions in the Recreation and Open Space Element. *[9J-5.013(2)(c)7]*

Policy 5.3: The City shall continue to enforce Land Development Regulations designed to conserve, protect, and appropriately use native vegetative communities, as well as to provide new or additional vegetation associated with new development. *[9J-5.013(2)(c)6,8]*

WILDLIFE HABITAT

OBJECTIVE 6: **THE CITY SHALL INCLUDE IN ITS LAND DEVELOPMENT REGULATIONS, DEVELOPMENT STANDARDS AND OTHER ACTIVITIES DESIGNED TO CONSERVE, APPROPRIATELY USE, AND PROTECT THE QUALITY AND NATURAL FUNCTION OF WILDLIFE HABITAT. *[9J-5.013(2)(B)4]***

Policy 6.1: As part of the Land Development Regulations, the City shall prohibit or require mitigation of development activities that adversely impact the survival of threatened and endangered species and their habitat. If a proposed development is found to have an adverse impact on the survival of endangered and threatened species, the City shall coordinate with the Florida Fish and Wildlife Conservation Commission and the Department of Environmental Protection to implement on-site or off-site mitigation procedures and/or compensatory measures. *[9J-5.013(2)(c)5]*

HAZARDOUS WASTE

OBJECTIVE 7: **DAVENPORT SHALL MEET ALL FEDERAL AND STATE GUIDELINES FOR THE MANAGEMENT OF HAZARDOUS WASTES.**

Policy 7.1: The City shall participate with Polk County in Amnesty Days programs for the periodic collection and disposal of household hazardous wastes generated in the City. *[9J-5.013(2)(c)10]*

DEVELOPMENT REVIEW

OBJECTIVE 8: **UPON ADOPTION OF THIS COMPREHENSIVE PLAN, THE CITY SHALL ESTABLISH DEVELOPMENT REVIEW STANDARDS TO ENSURE THE PROTECTION AND CONSERVATION OF ENVIRONMENTALLY SENSITIVE LAND WITHIN THE CITY.**

Policy 8.1: The City shall not issue a Development Order prior to proof, by the developer, that all required permits have been obtained that will affect lakes, wetlands, floodplains, soils, wildlife habitat, or ecological communities. *[9J-5.013(2)(c)3,6,9]*

Policy 8.2: Development proposals shall be accompanied by evidence that an inventory of wetlands; soils posing severe limitations to construction; unique habitat; endangered species of wildlife and plants; and areas prone to periodic flooding has been conducted. The City shall further require that the extent to which any development or redevelopment is proposed to be placed in/on, to disturb, or to alter the natural functions of any of these resources be identified. Such identification shall occur at a phase in the development review process that provides the opportunity for the City to review the proposed project to ensure that direct and irreversible impacts on the identified resources are minimized, or in the extreme, mitigated. Where development is determined to encroach upon a resource, the City shall require a specific management plan to be prepared by the developer, which includes necessary modifications to the proposed development, specific setback and buffers, and clustering of development away from site resources, to ensure the protection, preservation or natural functions of the resource. *[9J-5.013(2)(c)3,5,6]*

INTEGRATED GREEN INFRASTRUCTURE

OBJECTIVE 9: **THE CITY OF DAVENPORT WILL ENCOURAGE THE INTEGRATION OF PUBLIC AND PRIVATE INVESTMENTS IN GREEN INFRASTRUCTURE (INTERCONNECTED NETWORK OF OPEN SPACES AND NATURAL AREAS).**

Policy 9.1: The City will encourage the acquisition or conservation of an interconnected network of open spaces, natural areas, and agricultural lands. The network will provide for:

- a. Protection of natural resources and wildlife habitat;
- b. Habitat corridors through linked open spaces;
- c. Protection of historic and cultural resources;
- d. Recreational opportunities;
- e. Community health benefits;
- f. Economic development opportunities; and
- g. Multi-use trails connecting population centers to natural areas.

Policy 9.2: The City will coordinate with Polk County to establish a process for the maintenance and update of the PolkGreen overlay as well as the development and implementation of policies to acquire, conserve, or construct green infrastructure.

Policy 9.3: The City will coordinate with the County and municipalities within the County to coordinate future trails connecting Davenport to other parts of the county.