

## CHAPTER 18. OSCEOLA GREEN INITIATIVE ELEMENT

Date Effective	Index	Ordinance No.	Amendment Type
01-23-2021	CPA20-0003	2020-75	Comprehensive text amendment

### ***GOALS, OBJECTIVES, AND POLICIES***

Below is a series of goals, objectives, and policies (GOPs) designed to mitigate greenhouse gas (GHG) emissions and impacts likely to result from anticipated climate change. These GOPs are organized by four over-arching objectives: planning and management; shifting transportation demand; increasing energy efficiencies; waste reduction and recycling and enhancing ecological resilience.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

### ***GOAL 18-1: REDUCE GREENHOUSE GAS EMISSIONS***

Implement appropriate planning and development policies, regulations, and programs to ensure land use, construction, and redevelopment activities contribute to the reduction of the County's GHG emissions and support County efforts to become more resilient to the impacts of climate change.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

### ***OBJECTIVE 18-1.1: Plan and Manage Climate Change Policies***

Establish a County Workgroup to manage implementation of the Climate Change policies.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

#### **Policy 18-1.1.1: Initiate a Climate Change Workgroup.**

The County shall establish a continuing planning process with a Climate Change Workgroup to oversee it, comprised of representatives from County departments and facilities, relevant public agencies and authorities, and the private sector. The group will be tasked with monitoring, assessing, and recommending to the BCC County efforts to reduce energy consumption and GHG emissions.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

#### **Policy 18-1.1.2: Forecast County GHG Emissions.**

In partnership with the International Council for Local Environmental Initiatives (ICLEI), the County shall prepare an inventory and forecast of the County's GHG emissions.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

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**Policy 18-1.1.3: Coordinate Through Regional Partnerships.**

The County shall continue to coordinate with adjacent cities, counties, and local, regional, and state agencies and authorities to help ensure the region's broader planning and implementation efforts and the County's climate change strategies are aligned.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.1.4: ECFRPC Regional Collaborative.**

The County shall participate in the East Central Florida Regional Planning Council's Technical Advisory Committee on Regional GHG Inventory.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.1.5: Report to the Board of County Commissioners (BCC).**

The Climate Change Workgroup shall report annually to the Osceola County BCC on progress made toward this Element's goals, objectives, and policies.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

***OBJECTIVE 18-1.2: Shifting Transportation Demand***

Actively promote energy-efficient land use patterns that reduce fossil-fuel use and vehicle miles traveled (VMTs) and encourage long-term carbon sequestration.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.1: Direct Future Growth to the Mixed Use Districts (MXDs) and Urban Infill Activity Centers (Centers).**

The County shall work towards capturing 80 percent of its 2020-2060 population growth within the MXDs and Centers shown on the County's adopted Future Land Use Map (FLUM).

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.2: Create "MXD Land Development Scenarios."**

The County shall prepare alternate development scenarios illustrating how the design of a MXD is capable of impacting a development's VMT.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.3: Develop and Provide Information to Land Developers.**

The County shall prepare and provide information to land developers on the financial advantages of developing within a Mixed-Use District.

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( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.4: Prepare a Guidebook for Developing MXDs.**

The County shall prepare a Guidebook for Developing Mixed Use Districts in Osceola County for use by developers, investors, builders, development consultants, and others involved in the development process.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.5: Hold Pre-application Meetings.**

Hold a pre-application meetings with the developer for the sole purpose of discussing MXD and urban planning principles and their potential application to the development site.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.6: Provide Technical Assistance to the MXD Property Owners.**

The County shall work to educate and provide resources on the value of the MXDs and Centers to property owners as they market their properties for development. Resources may include ULI, TOD Institute, etc., to share their expertise in the fields of mixed-use development, financing and marketing.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.7: Prepare Conceptual Master Plan.**

In partnership with property owners and other identified stakeholders, the County shall prepare and adopt a CMP for MXDs 5 and 6, as identified on the County's adopted FLUM.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.8: Implement MXD.**

Require the implementation of MXD principles during the development review process.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.9: Coordinate with CFX.**

The County shall coordinate with CFX in the design of those expressways in Osceola County serving the MXDs as multimodal corridors.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.10: Quantifying Shift in Transportation Mode.**

The County shall monitor development within MXDs and Centers to quantify the shift in transportation mode (cycling, walking, public transit and other sustainable transportation modes), changing traffic patterns and the accompanying effect on GHG emissions.

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( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.2.11: Local Government Coordination.**

The County shall proactively work with neighboring jurisdictions to demonstrate the value of MXD and Centers development as a tool for managing energy use and GHG emissions.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

***OBJECTIVE 18-1.3: Increase Energy Efficiencies***

By 2060, 100 percent of all new buildings approved by the County will use renewable clean energy and be resource efficient.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.3.1: Work Towards Green Building Certification.**

The County shall work with residential, commercial, and industrial builders to qualify new buildings for certification from the Florida Green Building Coalition.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.3.2: Meeting the Green Local Standards.**

All new County-owned buildings shall meet the Green Local Government Standard as certified by the Florida Green Building Coalition.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.3.3: Increase Energy Efficiencies within County Buildings.**

The County shall work toward increasing energy efficiency and renewable energy use in existing public buildings, as recommended in the County's 2012 publication Greenhouse Gas Emissions Inventory.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.3.4: Partner with Area Utilities.**

In partnership with KUA, Duke Energy, and OUC, the County shall actively encourage and promote green building certifications.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.3.5: LED Lighting.**

The County shall work toward increasing energy efficiency of public facilities through installation of LED lighting on new roadways and systematic conversion of existing lighting on roadways, in parking facilities, outdoor facilities

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and venues, and traffic signals as documented in the County's 2012 publication Greenhouse Gas Emissions Inventory.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

#### **Policy 18-1.3.6: Renewable Sources.**

The County's shift to renewable energy sources can be achieved most effectively through a consistent, thorough approach that replaces the County's reliance on fossil fuels. With this purpose in mind, the County shall amend its LDC to require all new buildings and buildings undergoing major alterations or renovations—residential and non-residential—to meet a certain percentage of their annual electrical needs from one or more renewable energy sources. This percentage will, by design, increase over time as the County strives to meet its 2060 goal of 100 percent renewables.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

#### **Policy 18-1.3.7: Phasing Plan.**

Prior to implementing Policy 18-1.3.6, the County, in collaboration with energy service providers and community stakeholders, will develop a phasing strategy establishing the percentage of a building's energy needs that are to be met by renewables. The phasing strategy will cover a 40-year period; giving utilities and stakeholder's time to evaluate the best technologies and pathways needed to reach the County's 2060 goal. A technology-neutral approach shall be used to include all sources of zero-carbon electricity (solar, wind, hydro, or any other proven source of zero-carbon electricity), as well as "Green" building technologies that are capable of increasing a building's operational efficiency, thereby reducing the amount of power consumed. The County shall benchmark, track, and report on implementation progress at regular intervals.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

#### **Policy 18-1.3.8: Supporting Green Building Practices.**

The County shall ensure its zoning and permitting requirements are aligned with green building practices. In addition, the County shall create a variety of green building permit guides on issues such as rainwater harvesting, solar power, and green roofs.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

#### **Policy 18-1.3.9: Supporting Low Income Households.**

The County shall support federal, state, and local agencies' efforts (e.g., Low Income Home Energy Assistance Program) to assist low income households renovate existing as a way to increase energy conservation.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

#### **Policy 18-1.3.10: PACE Program.**

The County shall continue to support the PACE Program.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

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**Policy 18-1.3.11: Reducing Costs for Solar Energy.**

Work with the U.S. Department of Energy and their SolSmart Program to identify ways to reduce administrative and permitting costs for providing solar energy.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.3.12: Public Access to Alternative Energy Facilities.**

The County shall plan for and facilitate the development of infrastructure that provides public access to alternative fuels and electric vehicle charging locations.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.3.13: Energy Use by County Vehicles.**

The County shall work toward increasing energy efficiency and renewable energy use in the County's vehicle fleet, as documented in the County's 2012 publication Greenhouse Gas Emissions Inventory.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

***OBJECTIVE 18-1.4: Waste Reduction and Recycling***

Achieve Greenhouse Gas Emissions reductions through eliminating waste at its source and maximizing recycling and composting in homes, businesses and institutions.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.4.1: Expand Recycling.**

The County shall target for expansion recycling outreach and services to multi-family residential buildings, including apartment buildings.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.4.2: Composting Program.**

Initiate a composting program available to both residential neighborhoods and non-residential developments.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.4.3: Recycling Guide.**

Provide a recycling guide for local event organizers/planners.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

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**Policy 18-1.4.4: Feasibility of Providing Composting.**

Explore the feasibility of providing composting receptacles on commercial corridors and in parks and public places.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.4.5: Building Materials.**

Promote deconstruction and reuse of building materials through written outreach materials and direct consultations with builders.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.4.6: Reducing Landscape Waste.**

Establish a program focused on the design, construction and maintenance of the landscape for the purpose of reducing waste and recycling materials.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.4.7: Manage Excess Produce.**

Initiate a local "excess harvest program" where residents are encouraged to donate excess produce from garden and fruit trees to local food banks and homeless assistance programs.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

***OBJECTIVE 18-1.5: Increasing County Preparedness***

Launch a collaborative process for increasing the County's preparedness for impacts from changes to the natural environment.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.5.1: Conduct a Vulnerability Assessment.**

In collaboration with neighboring cities and relevant regional and state agencies, conduct an assessment of Metro Orlando's vulnerability to environmental change impacts.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.5.2: Plan for Environmental Change Adaptation.**

Osceola County, in partnership with neighboring local governments and regional and state agencies, shall pursue preparation of a strategic plan for environmental change adaptation, with the purpose to increase public awareness about the impacts of these changes on the community and on all species; build strong partnerships across sectors (e.g., public health, environment, economic development, public works) and across the region for the purpose of increasing communication and reducing vulnerability.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

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**Policy 18-1.5.3: Expand Local Tree Plantings.**

Expand local tree planting efforts and continue to maintain the health of existing trees. Provide local outreach and planting guidelines for residents, businesses, and public institutions.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)

**Policy 18-1.5.4: Development of Urban Forest Management Plan.**

Support continued development of an Urban Forest Management Plan to guide the selection of appropriate tree species for streets and open spaces and outline a regular maintenance and planting cycle to ensure that hazards to trees are minimized and the local tree stock continues to increase.

( Ord. No. 2020-75 , §§ 1, 2(Exh. A), 11-2-2020)