

## **Transportation Element**

### **OBJECTIVE 2-1.1: SAFE, CONVENIENT, AND EFFICIENT TRANSPORTATION SYSTEM.**

Establish a safe, convenient, and efficient motorized and non-motorized transportation system in the City through development and implementation of level of service (LOS) standards and identified roadway and multi-modal transportation improvements.

**Monitoring Measure: Achievement of Level of Service standards and strategies to increase multi-modalism.**

**Policy 2-1.1.10: Bicycle Level of Service Standards.** The City shall seek to maintain a bicycle Level of Service Standard of B or better on all roadways with designated bicycle lanes in accordance with the following definitions:

LOS A – On and off street facilities, low level of interaction with motor vehicles, appropriate for all riders;

LOS B –Low level of interaction with motor vehicles, appropriate for all riders;

LOS C - Appropriate for most riders, some supervision may be required, moderate interaction with motor vehicles;

LOS D – Appropriate for advanced adult bicyclists, moderate to high interactions with motor vehicles;

LOS E – Cautious use by advanced adult riders, high interactions with motor vehicles;

LOS F- Generally not safe for bicycle use, high level of interactions with motor vehicles.

**Policy 2-1.3.4: Climate Change Preparedness.** The City shall consider current science and predictions for sea level rise and other climate change issues in planning future roadway improvements.

**OBJECTIVE 2-1.4: FACILITIES FOR BICYCLE AND PEDESTRIAN WAYS.** The City shall continue to utilize opportunities for funding sources such as State and Federal grants to continue to improve bicycle and pedestrian facilities throughout the City.

**Monitoring Measure: Miles of bicycle paths and sidewalks in the City.**

**Policy 2-1.4.1: Planning for Bicycle and Pedestrian Ways.** The City shall continue to seek state funds to continually improve bicycle and pedestrian ways which safely and conveniently connect residential areas to recreational areas and major activity centers, and which safely connect bicycle and pedestrian ways long major thoroughfares throughout the City.

**Policy 2-1.4.2: Bicycle and Pedestrian Facilities Required for New Development.** The City's shall enforce land development regulations requiring that new subdivisions, replats, planned unit developments, and site plans accommodate bicycle and pedestrian traffic needs. Similarly, multiple family residences as well as shopping facilities, recreational areas, schools, and other public uses shall provide storage areas for bicycles.

**Policy 2-1.4.3: Infrastructure to Support Bicycle Facilities.**

The City shall analyze the feasibility of requiring bicycle facility improvements whenever major roadway construction, street resurfacing or restriping occurs, or when shoulder or drainage improvements are made.

**Policy 2-1.4.4: Bicycle Parking Facilities.** The City shall work with major employers and tourist destinations to establish long-term bicycle parking facilities designed to provide protection for bicycles at convenient locations. Such facilities may be considered as a pro-rata portion of traffic impact fees for new developments.

**OBJECTIVE 2.1.5: COORDINATING TRANSPORTATION PLANNING.**

The City shall coordinate transportation system planning with the plans and programs of Monroe County and the FDOT Five (5) Year Transportation Improvement Plan.

**Monitoring Measure: Achievement of Level of Service standards and strategies to increase multi-modalism.**

**Housing Element**

**Policy 3-1.1.10: Design Guidelines for Affordable Housing.** Design elements which have proven successful in affordable housing developments which shall be encouraged by the City include:

9. Use of alternative energy technology for purposes of conserving natural resources and reducing user costs.

**Policy 3-1.7.7:** The City shall adopt minimum requirements in its land development regulations to require new residential development and redevelopment to incorporate energy saving design and construction features, such as adequate insulation, solar power, less heat-absorbent roofing materials, and increased tree canopies, into design, construction and site development plans. Prior to the inclusion of these requirements the City shall continue to promote and/or require energy and resource conservation measures (i.e. xeriscaping, landscaping standards) as a component of development and redevelopment to the maximum extent feasible.

**Reason for Amendment:** Address the Climate Action Plan.

**FORCOT ADAPTATION.**

**Public Facilities**

**Policy 4-2.2.2: Solid Waste Projects.** The City of Key West will continue provide for future solid waste demands and facility needs with the following level of service standards, and enact a Solid Waste Master Plan to meet the City's goals of 75% waste diversion.

**OBJECTIVE 4-2.3.4e: RECONCILE EXISTING FUTURE POTABLE WATER DEFICIENCIES.** The Florida Keys Aqueduct Authority has not identified any existing future system deficiencies. However, the future system includes regular use of the Aqueducts Reverse Osmosis plant, which is very energy and fiscally intensive. The more water efficienciestheCitycancreate, thelessexpensiveourfuturewater willbe. The City shall investigate potential water supply and water quality issues and coordinate at least annually in a formal meeting with the Board of the Florida Keys Aqueduct Authority for purposes of identifying problems, issues and opportunities associated with water quality, water supply, and water distribution.

**OBJECTIVE 4-2.6: ENACT EFFICIENCY EFFORTS TO REDUCE PROJECTED DEMANDS.** The City shall utilize best management practices in efficiencies and conservation as a mandatory step in meeting projected demands in wastewater, solid waste disposal, drainage, potable water facilities and energy facilities and services. ~~Withintwoyearsofplan adoption, theCityshallsetenergy, water, transportation andsolidwasteefficiencystandards.~~

**Monitoring Measure: Inclusion of best management practices in Land Development Regulations by 2016.**

## Coastal Management Element

**Policy 6-1.1.2: Reduction of Greenhouse Gasses:** By 2015, the City shall achieve Commission goals of 15% reduction of greenhouse gas emissions from 2005 base year per actions including but not limited to the City's Climate Action Plan. The City shall prepare Land Development Regulations that achieve these goals. By 2015, the City shall create a Level of Service (LOS) standard for greenhouse gas emissions. By 2017, the City shall set energy, water, transportation and solid waste efficiency standards to support the greenhouse gas LOS.

**Policy 6-1.1.3: Funding Mechanisms:** By 2016, the City shall create and seek funding for a Sustainability Fund to help underwrite greenhouse gas reduction actions. Implement best practices for use of carbon credits as a funding mechanism to reach and maintain greenhouse gas reduction goals.

**Policy 6-1.2.75: Protection and Conservation of Potable Water Supply.** ....Upon plan adoption, in order to comply with policies of the South Florida Water Management District directed toward conservation of potable water supply and to achieve a reduction in the current rates of water consumption, land development regulations shall be amended to incorporate the following performance standards:

1. Where nonpotable alternative sources of irrigation water are available, potable water supplies may not be used to meet irrigation needs.
2. Require the use of high-efficiency water-saving plumbing fixtures on all new development.
3. In order to reduce demand for irrigation water (which in turn often places greater demand upon potable water sources), at least fifty (50%) percent of all landscaping material obtained from off-site sources for use on any site should be native plant material adapted to soil and climatic conditions existing on the subject site. Further, at least thirty (30%) percent of all trees used in landscaping shall be native species adapted to soil and climatic conditions existing on-site in order to lessen water demand.
4. The City will monitor explore and pilot innovative concepts in reuse of water, including use of cisterns for collecting rainwater for use in spray irrigation. In addition the City shall study the feasibility of reuse of treated effluent (gray water).
5. In order to reduce demand for irrigation water, rainwater collection and gray water reuse (if feasible) will be incorporated.

**Policy 6-1.4.2: Protection of Upland Buffer Areas.** The City shall research certification programs which encourage responsible business practices by plant professionals.

**Policy 6-1.4.3: Dedication of Conservation Easements or Reservations.**

The City will explore using conservation easements to help preserve wetlands and natural areas.

**Policy 6-1.7.3: Removal of Undesirable Exotic Vegetation.**

The City shall continue to enforce all adopted regulations which requires that, prior to the issuance of a certificate of occupancy for a new development, the owner/applicant shall remove all nuisance and invasive exotic vegetation from the site for which a development order or permit is requested. Invasive species lists should be referenced from the peer reviewed rankings by Florida Exotic Pest Plant Council and the Florida Keys Invasive Exotic Task Force.

**Policy 6-1.7.5: Increase of Native Plant Communities:** The City shall increase use of native plants by creating a Urban Beautification Plan which calls for increased canopy cover, and highlights the use of natives, and flowering non-natives in discrete entry and accent locations.

**OBJECTIVE 6-1.8: PROTECTING FISHERIES, WILDLIFE AND WILDLIFE HABITATS.**

The City shall enact or support certification programs which encourage environmentally responsible practices by businesses operating in or near natural areas.

**Policy 6-1.8.3: Prevention of Invasive Exotics.** The City shall create Land Development Regulations to help protect wildlife and wildlife habitats from invasive exotic plants and animals. This will be done by prioritizing preventative policies, as well as building capacity for early detection rapid response actions for those species deemed highly invasive, with the exception of decorative plant species used in discrete entry and accent locations on public land and property, and implementing a comprehensive integrated pest management system. The City shall research certification programs which encourage responsible business practices by plant professionals.

**Policy 6-1.12.1: Review the Impact of Changing Conditions on Conservation Policy.**

The City shall monitor and evaluate significant changes, including climate change, in the characteristics of natural resources within the City. Policy implications of such changes shall be examined and corrective measures shall be pursued. Conservation policies shall be refined as needed in order to remain responsive to evolving problems and issues.

**OBJECTIVE 6-1.13: IMPLEMENTING POLICIES FROM THE 2011 CITY OF KEY WEST STRATEGIC PLAN.** The City adopts the following conservation policies from the 2011 Strategic Plan:

**Policy 6-1.13.1: Conduct an Environmental Scan.** By 2014, the City shall conduct an Environmental Scan to provide a baseline for future environmental audits.

**Policy 6-1.13.3: Community-wide Environmental Agenda.** By 2014, the City shall collaborate with state, Monroe County and partners to develop a community-wide Environmental Action Plan, including measurable goals and timetables.

**Objective 6-1.14 : Carbon Sequestration Through Plants.** As part of an overall landscaping plan to increase beautification and walkability, the City shall incorporate greenhouse gas sequestration goals and priorities to meet the City's Climate Action Plan goals.

**Objective 6-1.15: Planning for Resiliency and Adaptation in Natural Areas.** The City shall research and pilot conservation actions which enhance the resiliency and adaptation of fisheries, wildlife and wildlife habitats. This may include identification of Adaptation Action Areas.

**Objective 6-1.16: Promotion of Responsible Stewardship.** The City shall research and implement business certification programs which encourage responsible conservation practices.

## **Capital Improvements Element**

**OBJECTIVE 9-1.6: REQUIRING DEVELOPMENT ORDERS AND PERMITS COMPLIANT WITH CONCURRENCY MANAGEMENT, LOS STANDARDS, GREEN BUILDING STANDARDS, AND THE CAPITAL IMPROVEMENT SCHEDULE.**

All new construction projects and renovations where the cost of construction is equal to or greater than 50% of the buildings replacement cost must meet at least LEED Silver, Green

Globes Two Globes, Florida Green Building Coalition Silver, or other nationally recognized, high performance green building rating system. All renovations where the cost of construction is less than 50% of the buildings replacement cost must meet at least the lowest tier of LEED, Green Globes, Florida Green Building Coalition, or other nationally recognized, high performance green building rating system.

**Policy 9-1.6.1: Level of Service Standards.** The City shall use the following LOS standards in reviewing the impacts of new development and redevelopment upon public facilities. The City shall strive to overachieve by conserving more than the LOS standards, and by creating conservation LOS standards that public facilities will attain:

...

...

**Recreation Standards for Facilities: (3)**

Urban Open Space ... Neighborhood Parks ... Community Parks ... is understood to mean ... These areas could include ...community gardens.

**Policy 9-1.6.3: Evaluation Criteria for Comprehensive Plan Amendments and Development.** Proposed Comprehensive Plan amendments and requests for new development or redevelopment shall be evaluated according to the following guidelines:

...

- i. Does the proposed action have adverse impacts on air quality, by greatly increasing levels of greenhouse gasses?

**§9-3: MONITORING AND EVALUATING THE CAPITAL IMPROVEMENTS ELEMENT. ...**

The monitoring and evaluation procedure shall incorporate the following considerations:

...

12. **Fiscal Management.** The City Planner and City Engineer shall evaluate the City's progress in finding effective funding mechanisms for promoting road and drainage improvements as well as other capital improvement needs identified in the scheduled drainage, traffic circulation, water, solid waste master plan and wastewater improvement plans.

15. **Climate Change Preparation:** The City Planner and City Engineer shall review the latest science and predictions for sea level rise and other climate change related issues and recommend any needed action to address currently scheduled or future projects.

16. **Sustainability:** The City Planner shall review the effectiveness of this element in meeting the City's greenhouse emissions reduction goals.