



# GLEE's 1<sup>st</sup> Annual Green Living Awards

**Local Governments Category**  
*For Cumulative Efforts leading up to Expo 2008*

Name of Local Government: City of Key West

Name of Applicant and relation to Government: Annalise Mannix, Environmental Program Manager

## **Summary**

The new fiscal year saw the introduction of a Green Program with a clear vision for management on how to effectively use of our natural spaces, achieve and maintain clarity and quality of surrounding waters, and to reduce greenhouse gas emissions. The attached City of Key West Green Program condenses prior policies endorsed by the City Commission and is based on state directives and regulations and community and staff supported programs. We wish to offer all staff, businesses and citizens the practical guidance and background history to assist them in helping the city reach clear achievable and measurable goals.

## **Part 1: The Keyswide Sustain-Ability Project Checklist:**

*(As established in the inaugural KSAP meeting in May of 2007)*

Adopt [Mayors Climate Protection Agreement tenets](#) (date signed): August 7, 2007

Establish a Green Team, & Staff liaison: Liaison & Team Names: Annalise Mannix/CKW Green Team

Hold monthly Green Team meetings: # of Meetings Held: 3

Develop a baseline of emissions: Date Began, Completed: January 2008

Create an action plan: Date Began, Completed, Acted on: Started January 2008; Goal 18 months

Participate in quarterly KSAP meetings: # Mtgs Attended: 2

## **Part 2: Accomplishments**

<p><b><u>Renewable Energy</u></b></p>	<p>Demonstrated use and/or promotion of appropriate solar, wind and bio generated sources of renewable energy.</p>
<p>The City of Key West has switched to using B20 Bio-Diesel for its vehicular fleet reducing CO2e emissions by 338 tons per year.</p> <p>The city has placed an advertisement on its TV station urging citizens to use solar energy and seek state incentives.</p> <p>The City has offered Mount Trashmore (our closed landfill) as a location for possible Keys Energy solar array project and we are currently measuring the site for the implementation study.</p>	
<p><b><u>Clean Transportation</u></b></p>	<p>Demonstrated use and/or promotion of smart, clean and economically efficient uses of biodiesel, fuel cells, and hybrid vehicles. Or no vehicles at all!</p>
<p>The City is increasing it's bus fleet by (2) busses between Marathon and Key West to encourage less private vehicular trips. Busses are being built and will arrive in early June.</p> <p>The City of Key West has switched to using B20 Bio-Diesel for its vehicular fleet reducing CO2e emissions by 338 tons per year.</p>	
<p><b><u>Clean Boating</u></b></p>	<p>Demonstrated adherence and/or promotion of eco-friendly actions whilst on the water, including cleaning products, propulsion, water conservation, fisheries conservation, catch and release techniques, and use of <a href="#">Florida Clean Marinas, Boatyards, and Retailers</a>.</p>
<p>The City has applied for all of it's City owned marinas to be FDEP certified Clean Marina's and will receive certification in April.</p> <p>We have spent over \$500,000 on a covered state of the art waste facility at the Key West Bight to ensure there is no contamination of the ground by oil, grease, waste and so recyclables are easily collected.</p> <p>We also added a second waste/recycle center at Garrison Bight Marina.</p>	
<p><b><u>Energy Conservation</u></b></p>	<p>Demonstrated use and/or promotion of energy-efficient appliances, energy audits, and retrofits for financial savings and pollution reduction.</p>
<p>The city has issued a policy (January 22, 2008) to purchase only energy star equipment. The city has issued an Energy Management Policy (January 22, 2008) to create departmental operating procedures with a tool kit of requirements and suggestions including maintain daytime thermostats between 74-78 degrees and night time temps at 80 degrees, proper maintenance, shut down of electrical equipment, reducing water heater temps, proper vehicle maintenance, reduced idling, etc. The City Green Team is beginning energy audits of the city facilities that use the most energy. The City of Key West contracts with Keys Energy to maintain traffic and street lights, changing bulbs have saved 117ons of CO2e annually, with more expected as we investigate LEDs.</p>	
<p><b><u>Green Building</u></b></p>	<p>Demonstrated use and/or promotion of green techniques and technologies during retrofits on existing buildings and efficient designs for new buildings.</p>
<p>The City awarded a architectural design contract for the possible design of a new city hall to a firm with LEED experience as one of the main requirements to rank the firms. The designed building is expected to be LEED Certified however we do not yet have a resolution since a location has not been determined.</p>	

<a href="#"><u>Green Financing</u></a>	Demonstrated use and/or promotion of tax credits, rebates, and other incentive programs that help finance, sustainability projects. Also includes Socially Responsible Investing.
N/A	
<a href="#"><u>Healthy Living</u></a>	Demonstrated adherence and/or promotion of green procurement, green consumerism and healthy choices through buying organic foods and other non-toxic, healthy and sustainable products.
The City has issued a Green Purchasing Policy (January 22, 2008) to incorporate green chemicals, recycled products, consideration of less packaging, requiring cleaning companies to use green chemicals, etc as part of it's purchasing procedures.	
<a href="#"><u>Land Conservation</u></a>	Demonstrated adherence and/or promotion of conservation of natural habitats by using Keys-Friendly landscaping practices and use of <a href="#"><u>GreenThumb Certified Nurseries</u></a> .
The City of Key West will only plant indigenous plants on it's properties and will only allow natives to be installed on its right of ways by homeowners.	
<a href="#"><u>R4 #1: Reduce</u></a>	Demonstrated reduction of waste through bulk buying, refillable products, double-sided printing, avoiding over-packaged products, closing the loop by purchasing products made of recycled, post consumer content; implementation of policies which encourage and/or mandate waste reduction.
The City's Green Policy requires staff to recycled products with the most maximum practical amount of recycled material, print on only on recycled paper, print double sided whenever practicable, require contractors to submit bids on recycled paper, and supply less copies and requires bids in PDF format. Our Police department has changed to electronic reporting. This saves thousands of tons of paper annually.	
<a href="#"><u>R4 #2: Reuse</u></a>	Demonstrated reuse of products, buy second hand, donate unneeded items, and avoid disposables, and share magazines /other publications before recycling them.
City professional staff share periodicals.	

<b><u>R4 #3: Rot (Compost)</u></b>	Demonstrated waste diversion through composting of food scraps and yard trimmings
<p>The City is attempting to garner community support of community composting centers at the Botanical Gardens and another city park site. We again started the Christmas Tree mulching program this past holiday season.</p>	
<b><u>R4 #4: Recycle</u></b>	Demonstrated recycling of items accepted by local waste hauler and/or other items which may be recycled elsewhere (e.g., electronics, CFL light bulbs, cell phones, printer cartridges); implementation of policies which encourage and/or mandate recycling practices
<p>The City is dedicated to increasing our recycling rate through: education (more create info on web site, press releases, stickers for recycle bins, giving out recycle bins, educating groups), purchasing 40 recycle containers for streets, creating a City government recycle program at all facilities, support GLEE, the Green Coalition, and Clean Key West, and HOB school in their efforts), working to create a mandatory recycle ordinance, working with Waste Management to provide better recycle services.</p> <p>We have increase the rate by 10% (to 7.4%) causing a reduction of 31 tons of CO2e.</p>	
<b><u>Water Conservation</u></b>	Demonstrated use and/or promotion of water use reduction through efficient irrigation, xeriscaping, cisterns, rain barrels, water audits and/or use of reclaimed water.
<p>Assisted the Green Coalition on the Lunch and Learn on water conservation and rain barrels.</p>	
<b><u>Water Quality</u></b>	Demonstrated use and/or promotion of wastewater treatment, storm water retention, phosphorus free products, slow release fertilizers, animal waste reduction, etc.
<p>Created a stormwater inlet stencil project by educating grade and high school students on pollution, having a slogan contest and having a grade school class install stencils on Duval Street. Continue a stenciling project with the Clean Key West volunteers. Installed 10 stormwater wells with nutrient separating baffles to reduce direct outfall to the ocean. Had stormwater pollution booth at Recycle Fair. Spoke at 5 community meetings about the program. Installed 33 nutrient removal systems in the Duval Street storm drain inlets.</p>	
<b><u>Youth Leadership</u></b>	Involve local students in projects and research for healthy long-term choices in any of the above for the future of all.
<p>Worked Glenn Archer School on community cleanup (100 students); Poinciana School on stormwater education (80 students); Glenn Archer School on stormwater education 40 students; KW High School on stormwater education (20 students); HOB Middle School on city wide cleanups (4) - they adopt an area- (80 participants); Poinciana School on Stencil Project (20 students); HOB Middle School on Earth Day Recycle Thermometer.</p>	

<b>GLEE Participation</b>	Actively involved with GLEE via ideas, time and/or membership to help further GLEE's <a href="#">Mission and Goals</a> .
The City has staff attend KSAP meetings and support the goals and mission of GLEE at every opportunity.	
<b>Other Factors</b>	Have you done something else not included in the scope of this application? Let us know!
Analyzed the reduction in GHG emissions by turning off computer and monitors when leaving work.; Implemented monitors to date, are working on update schedules to turn off non-emergency department computers 6 days per week.	

***Part 3: Other Local Government Factors:***

<b>Team Commitment</b>	List staff or other supportive people on your "Green Team"
Stephanie Johnson, Janet Muccino, Dorothy Todd, Annalise Mannix, RB Havens, Diane Nicklaus, Annalise Mannix; Carrie Sutton; David Hawthorne; Margaret Cook	
<b>Communications</b>	How are your environmental efforts visibly communicated to staff, citizens, tourists, and/or vendors?
We use e-mail and "intranet" posting for staff. (no more paper); Created Clean and Green section of web site; created recycle bin section of web site. Our Purchasing Agent is dedicated to green issues and send us out mail about green items.	
<b>Certifications/Memberships</b>	Do you currently hold any green certifications or memberships?
ICLEI (Local Governments for Sustainability)	

***Part 4: Green Pledge***

I certify that the above information is correct to the best of my knowledge.

