



PRESERVE ISLAND LIFE



Climate Action Plan

# City of Key West Sustainability Advisory Board Annual Report

Michael Larson, Chair



[www.PreserveIslandLife.com](http://www.PreserveIslandLife.com)

# Recent History: 2008-2012

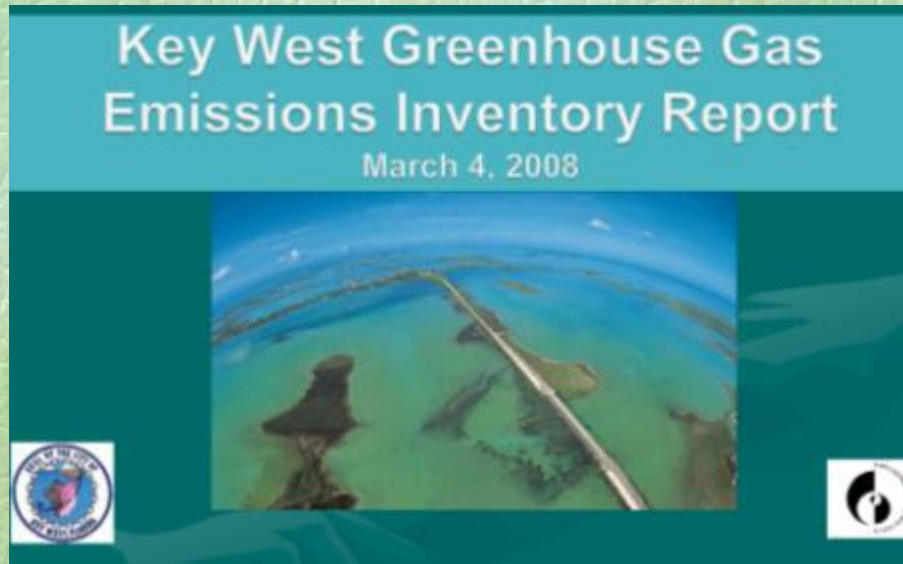


Figure 13- FY05 Community Inventory by Sector

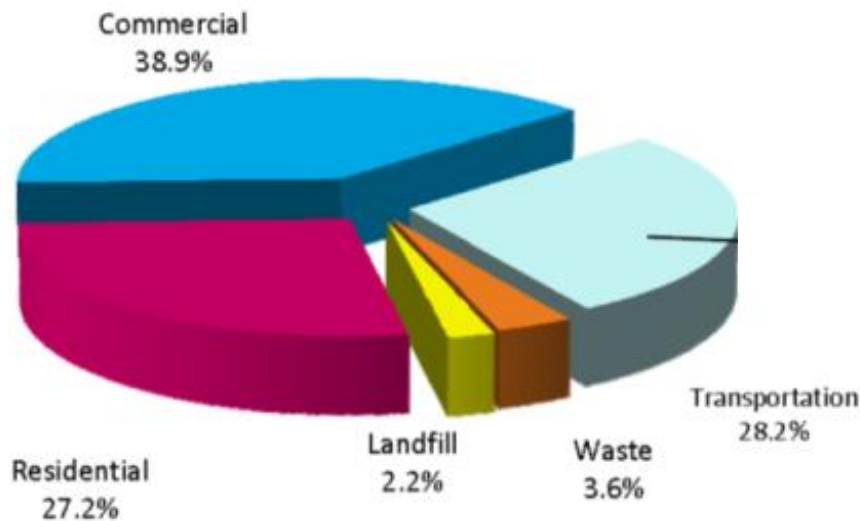
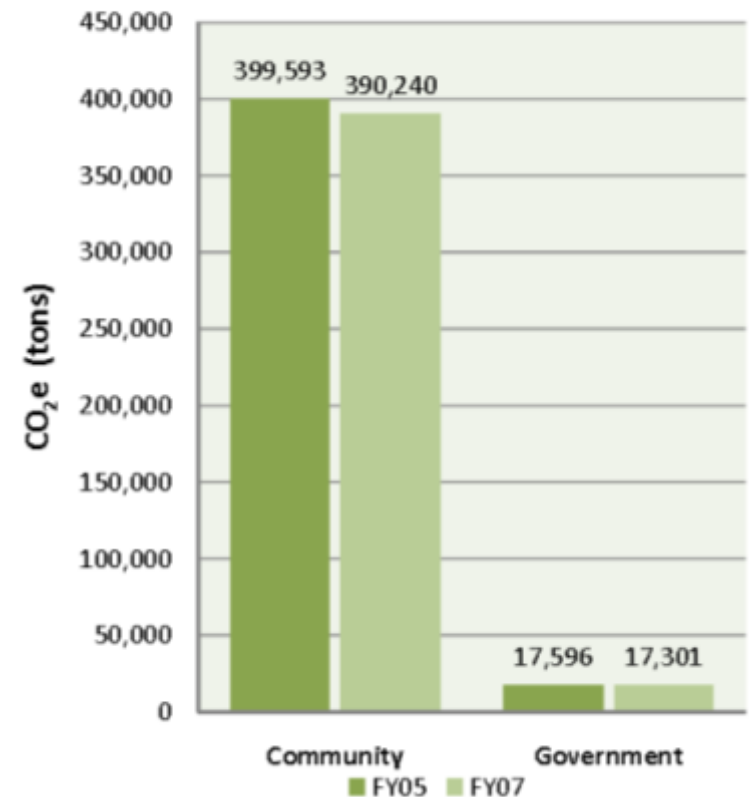


Figure 6.1: Total GHG Emissions by Year



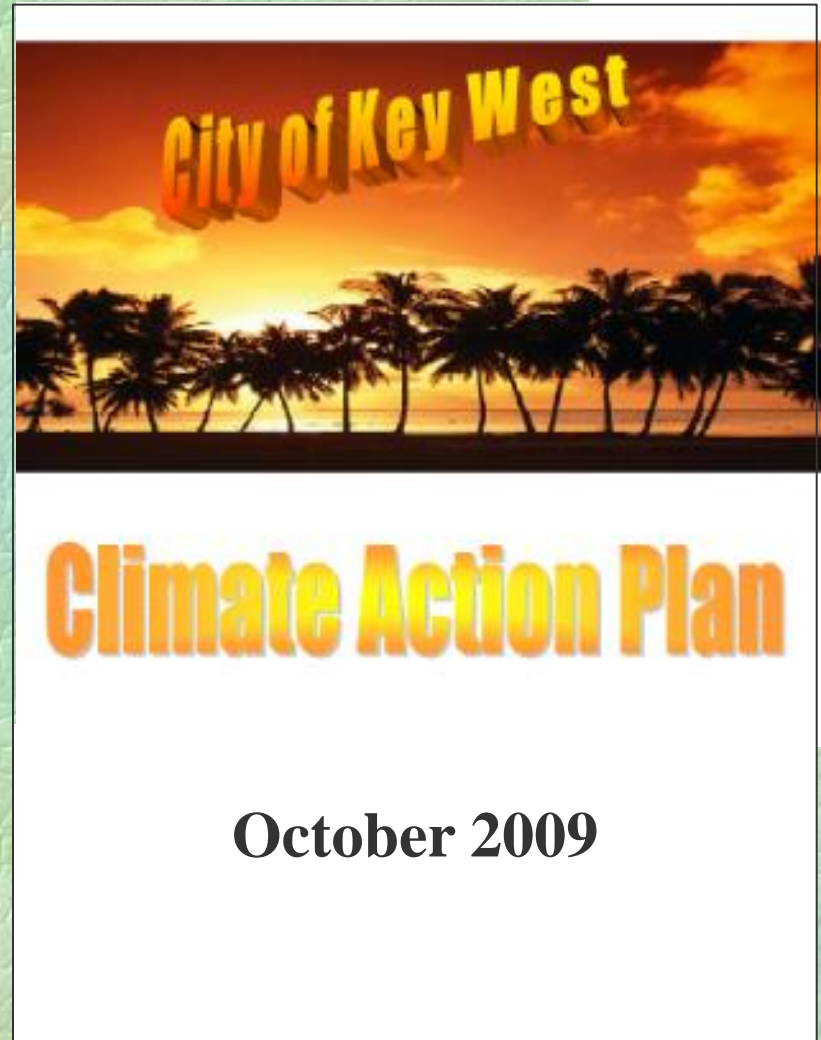
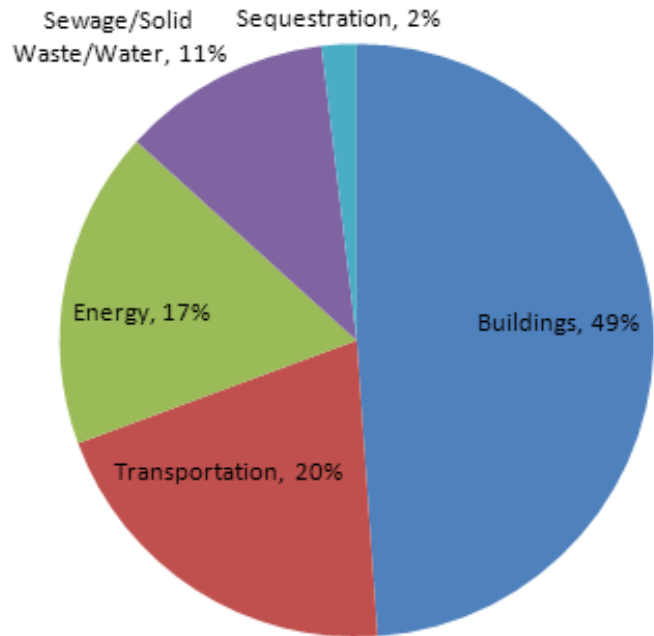
**Reduce GHG by  
15% by Dec 2015**



# Recent History: 2008-2012



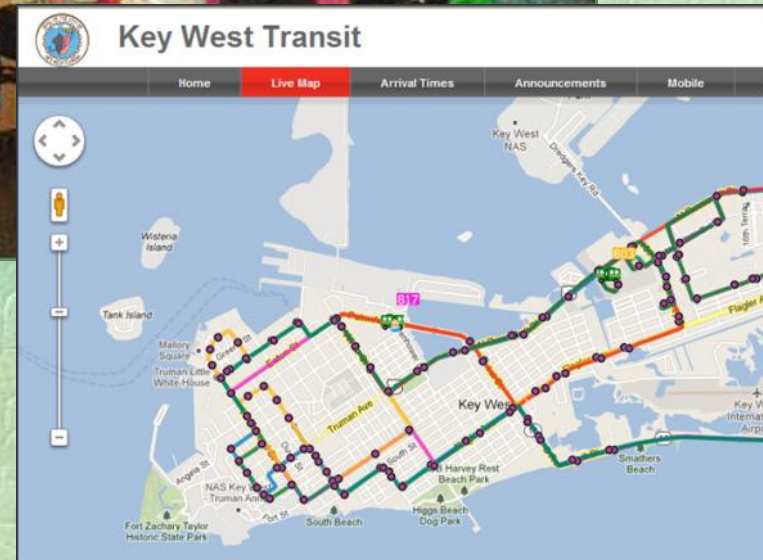
Commissioner Johnston.....David Lybrand  
Commissioner Lopez.....Rebecca Balcer  
Commissioner Rossi.....John Matthew Massoud  
Commissioner Wardlow.....Michael Larson  
Commissioner Weekley.....Emil Oesterling  
Commissioner Yaniz.....Monica Haskell  
Mayor Cates.....Dr. Ross Williams



# Recent History: 2008-2012



- ✓ Door to Door Recycling Campaign
- ✓ Legistar Paperless
- ✓ 2 FDEP Clean Marinas
- ✓ Sewer Plant Aerators
- ✓ LED's at Park N Ride
- ✓ LED's in Meadows
- ✓ Ballfield Lighting Upgrade
- ✓ [www.kwtransit.com](http://www.kwtransit.com)
- ✓ Sustainability Coordinator
- ✓ Solid Waste Master Plan
- ✓ Preserve Island Life Campaign
- ✓ Southeast Florida Regional Climate Compact





# 2013: Preserve Island Life Launch



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# 12 Step Program

**Jan: Resolutions**



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**Feb: Water Quality**



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**Mar: Transportation**



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**Apr: Water Conservation**



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**May: Youth Leadership**



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**June: Green Business**



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# 12 Step Program

**Jul: Green Buildings**



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**Aug: Healthy Living**



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**Sept: Land Conservation**



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**Oct: Electricity**



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**Nov: R4**



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**Dec: Green Gifts**



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# Preserve Island Life: Communication

[www.PreserveIslandLife.com](http://www.PreserveIslandLife.com)

Pledge = eNewsletter



PRESERVE ISLAND LIFE

## City of Key West - Preserve Island Life Campaign

120 likes · 15 talking about this

✓ Liked



Government Organization  
Dedicated to helping individuals, businesses and organizations live lighter and save money.

About



Photos



Events



Contact

👍 509

Likes



# 2013 Sustainability Events



**Planting Days**

**Rain Barrel Workshops**

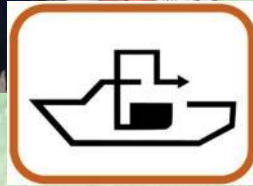
**Free Bus Day**

**Biking Tours**

**Walking Tours**

**Proclamations:**

- Youth Leadership
- Clean Marinas
- Transportation Month
- Water Quality





# 2013 Sustainability Workshops



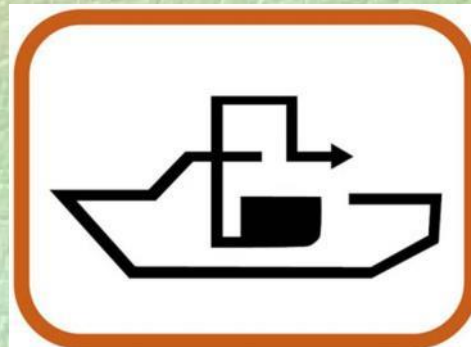
**Bike Needs Workshop**

**National Flood Insurance Workshop**

**Solid Waste Workshop**

**Water Conservation Policy Workshop**

**No Discharge Zone Ordinances Workshop**





# 2013 Sustainability Board Recommendations

## Advised:

- Green City Designation
- Complete Streets Policies
- Caroline Street Bike Lanes
- Solid Waste RFP



## Reviewed and Supported:

- Coordinated Transportation Goals
- Comprehensive Plan
- Building Permit Allocation System
- Green Transportation Roadmap

## Letters to Monroe County:


- Burning Yard Waste
- Shared Composting Facility
- Property Assessed Clean Energy





# 2013 Sustainability Board Priorities

- ✓ **Advance recommendations of Solid Waste Master Plan** (CAP 6.2-3, Strat Env1.6, Comp 4-2.2 & 9.1.11)
- ✓ **Implement CAP administrative actions** (CAP 6.5-6, Strat Env1.5, Comp 6-1.1.2)
- ✓ **Implement CAP community actions** (CAP 9.0, Strat Env6, Comp 3-1.7.7 & 4-2.6, 6-1.2.75)
- ✓ **Horse Manure Compost Shed Bahama Village** (CAP 6.2, Strat Env4&5, Comp 4-2.2.2)
- ✓ **Green Transportation Roadmap** (CAP 6.3-2&3, Strat Env6/Econ1.8/Infra1.1, Comp 2-1.1)
- **Community Garden** (CAP 6.2, Strat Env5/Infra2.1, Comp 9-1.6.1)
- **Energy audits of all city buildings.** (CAP 6.4, Strat Env1.5/Infra4.2, Comp 4-2.6 & 6-1.1.2 )

Program Recommendations	Residential	Commercial
 <p><b>Phase 1</b> (1-2 yrs)</p> <p><b>25%</b></p>	<ul style="list-style-type: none"> <li>• Recycling carts</li> <li>• Yard waste; 1-1-1</li> <li>• Multi-family</li> <li>• Outreach &amp; education</li> </ul> <p><b>11%</b></p>	<ul style="list-style-type: none"> <li>• Recycling collection \$ = SW collection \$</li> <li>• All recyclables</li> <li>• Green the City</li> <li>• Outreach</li> </ul> <p><b>4%</b></p>



# Monies Invested: Grants

## Outside Funds

### American Reinvestment & Recovery Act      \$250,000

- LED Streetlights on Duval



### Audubon Together Green      \$28,000

- Cisterns for Wildlife Center
- Filters for Rehab Ponds
- Native Plants for Island



## TIFF Funds

### Bahama Village Community Garden      \$20,000

- Garden Plots, Fruit Trees and Market
- Frederick Douglas School Memorial



### Bahama Village: Green Jobs & Futures      \$61,213

- 150 BV homes Weatherized
- 50 Students Trained





# Annual Monies Saved: Reduced Bills

- **LED's @ Meadows** **25 Lights (~25% Savings)**
- **LED's @ Duval** **166 Lights (~25% Savings)**
- **LEDs @ Key West Bight** **50 lights (~25% savings)**
- **LEDs @ Parking Garage** **\$12,000**
- **Ballfield Lighting** **\$18,836 (33%)**
- **Water Meter Shut Off** **\$ 8,000 (34 meters)**
- **Horse Manure Haul Off:** **\$ 4,500**





# Time Donated & Monies Raised



**Intern #1: Sarah Vitale**

**\$1,500**

**Intern #2: Stewart Johnson**

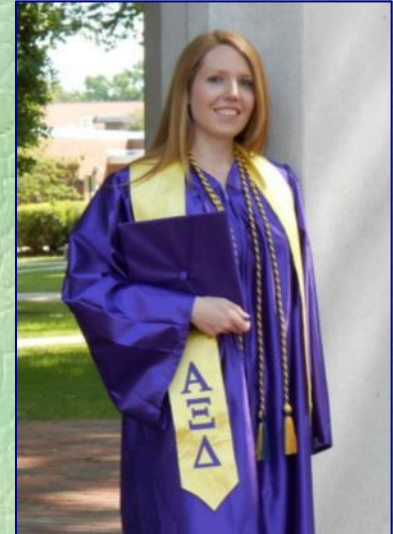
**\$7,500**

**Community Volunteers**

**\$2,280**

**Horse Manure Compost Shed**

**\$6,400**





# CY 14 Priorities

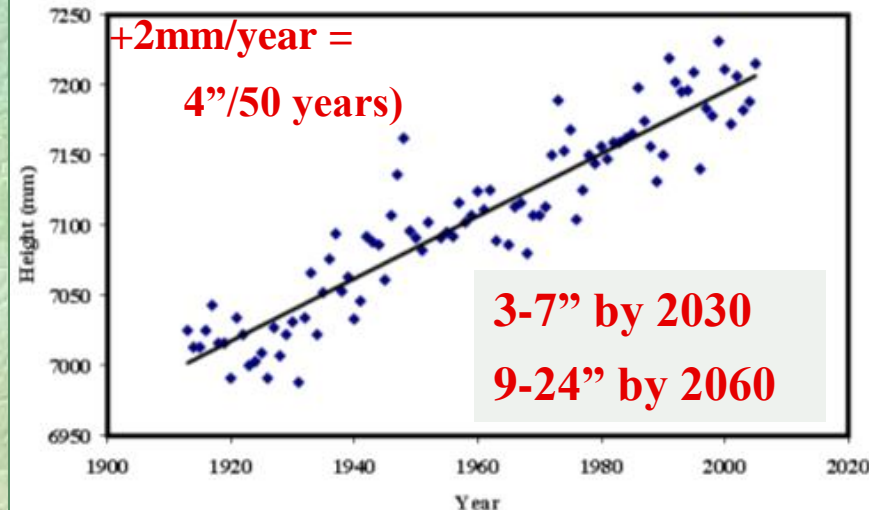
- Intern to update Greenhouse Gas Report (CAP 7.0, Strat Env 4.5)
- Integrate Green Cities Designations into new Land

**Development Regulations** (6.5, Strat Env1.5/Infra1, Comp 3-1.7.7 & 6.1.13)

- **Bicycle/Pedestrian Master Plan** (CAP 6.3, Strat Env6/Econ1.8, Comp 2-1.1)
- **Implement Sustainable Floridian Course with Monroe County Extension Service** (CAP 7.2 Strat Env5, Comp 6-1.13.3)
- **Host sea level rise adaptation workshops** (CAP 7.2, Strat Env5/Infra4)



**Annual Mean Key West Sea Level**





# FY 15 Budget Priorities

## CY13 Savings

~\$ 79,000

- *Does not include LED's at Meadows, Duval and Bight*
- *Does not include Indigenous Park Cistern savings*
- *Does not include grant funds gained (\$278,000)*

## FY15 Sustainability Board Budget Priorities

\$95,000

- Energy Manager 45,000
  - CAP 6.4-1, Strat Env1.5, Comp 4.2.6 & 9-3.15
  - Professional Skills in Calculating / Installing Energy / Money Savings Measures
  - 10% Average Savings Each Year = \$90,000 Annually
- Bicycle / Pedestrian Coordinator \$35,000
  - CAP 6.3-1, Strat Env2.3/Econ2.1, Comp 2-1.1
  - Part Time, Bike/Ped Dedicated
  - Responsible for events, education, grants, bike racks, enforcement, etc
- Sustainability Intern \$15,000
  - CAP 7.0, Strat Env1.4/Econ1.8, Comp 6-1.1.2
  - Part-Time, Year-Round
  - Increase Efficiency of Sustainability Coordinator







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