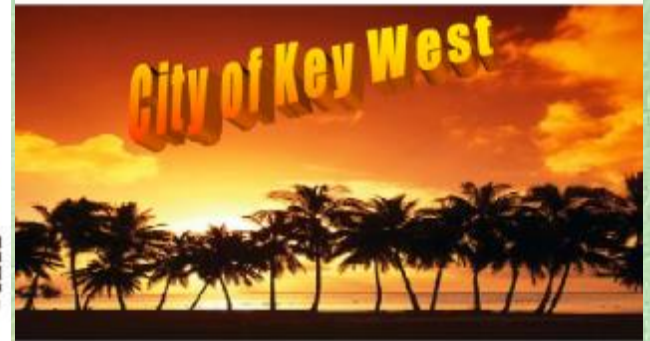




PRESERVE ISLAND LIFE



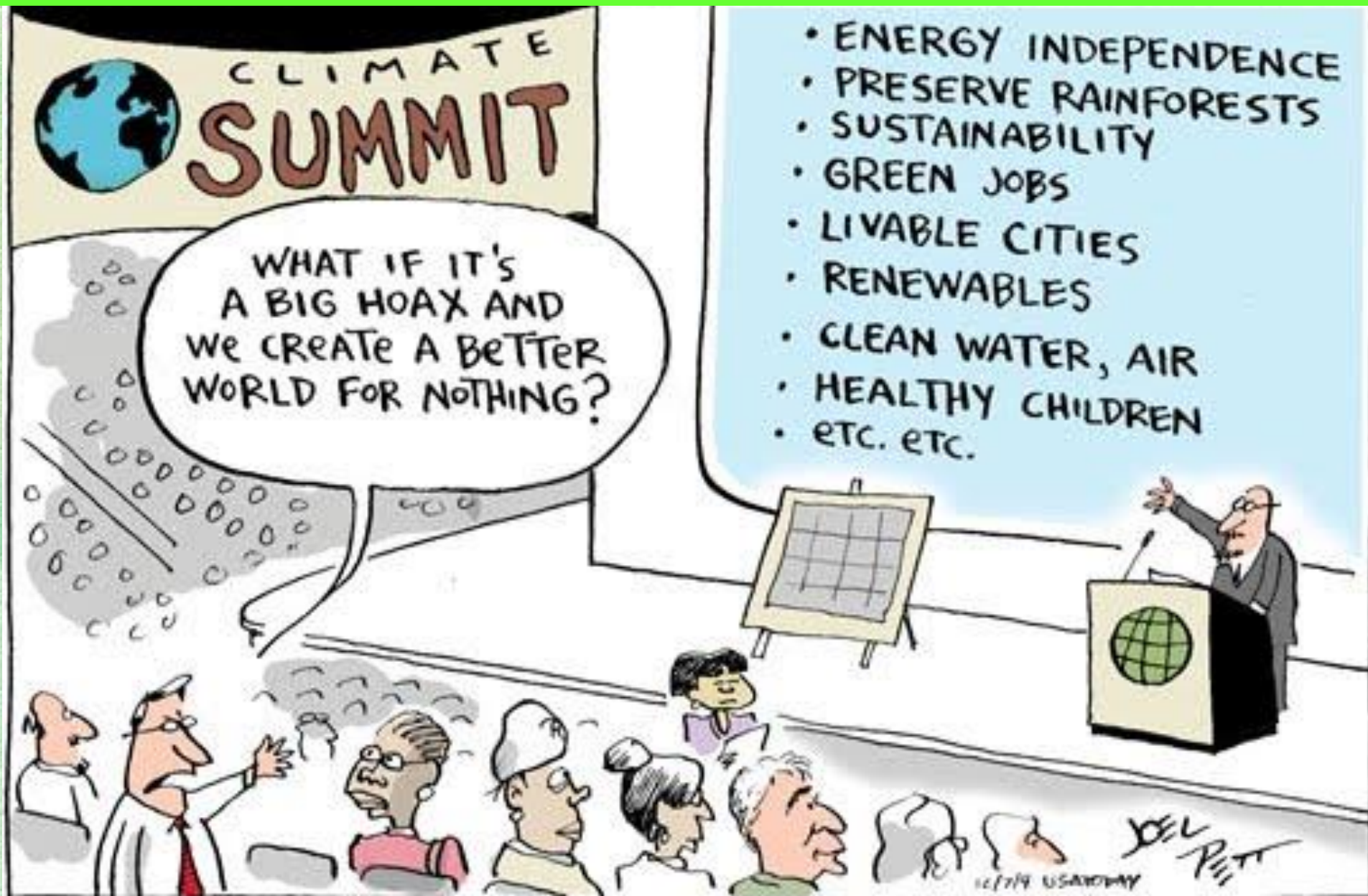
Climate Action Plan

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305-809-3726





# Why Is It Important?



# A Vulnerable Island Home

- A Very Long Extension Cord
  - A Very Long Hose
  - Longest Trash Route
  - One Road In, One Road Out
- = Expensive Living!





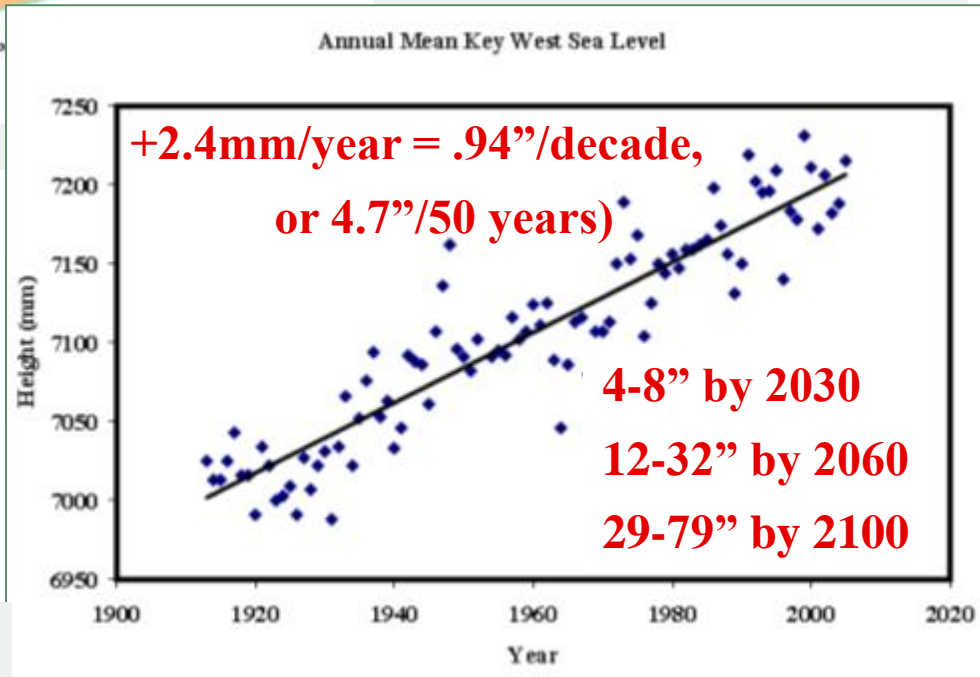


PRESERVE ISLAND LIFE



- WILL FLOOD AT HIGH TIDE WITHOUT TIDE VALVE
- WILL FLOOD WITH A 3 FT STORM SURGE
- WILL FLOOD WITH A 4 FT STORM SURGE
- WILL FLOOD WITH A 5 FT STORM SURGE
- WILL FLOOD WITH A 6 FT STORM SURGE
- WILL FLOOD WITH A 7 FT STORM SURGE
- WILL FLOOD WITH A 8 FT STORM SURGE

STORM TIDE = STORM SURGE + ASTRONOMICAL TIDE





# Annual Mean Key West Sea Level



We are already living amongst change....



# Where Do We Start?

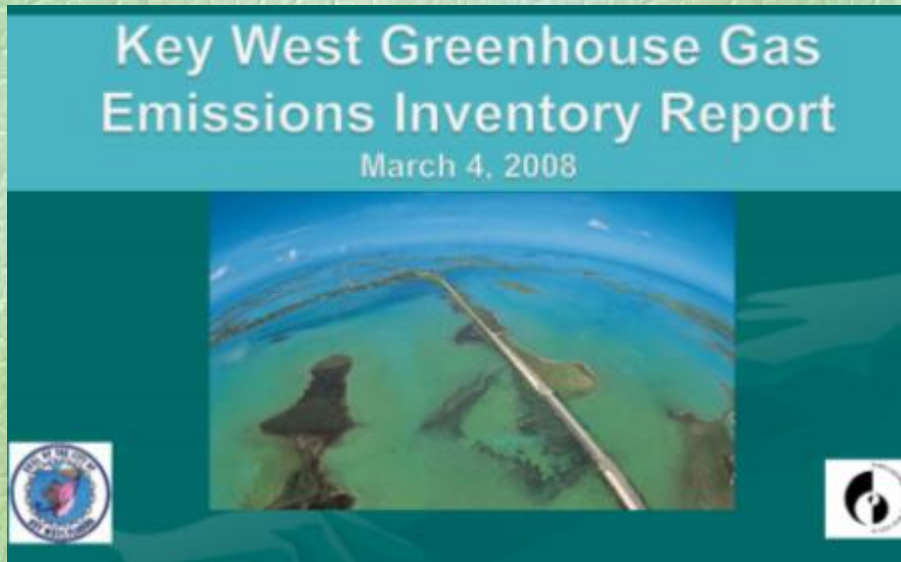


Figure 13- FY05 Community Inventory by Sector

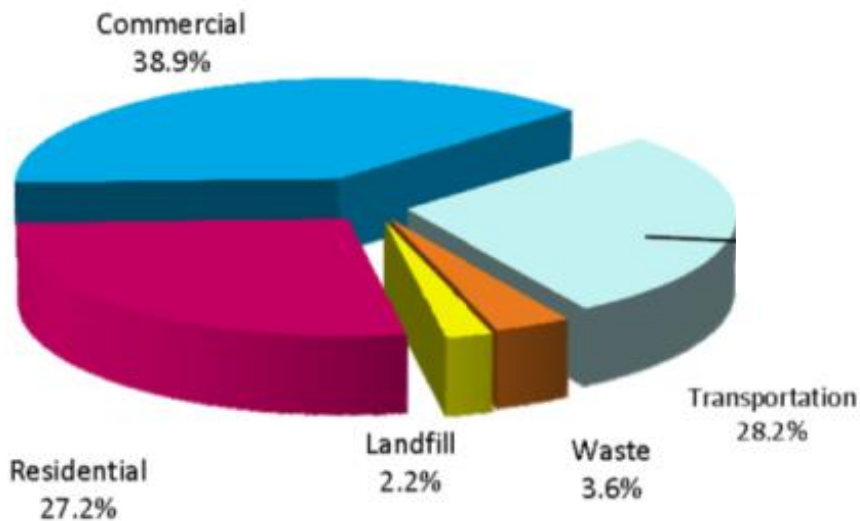
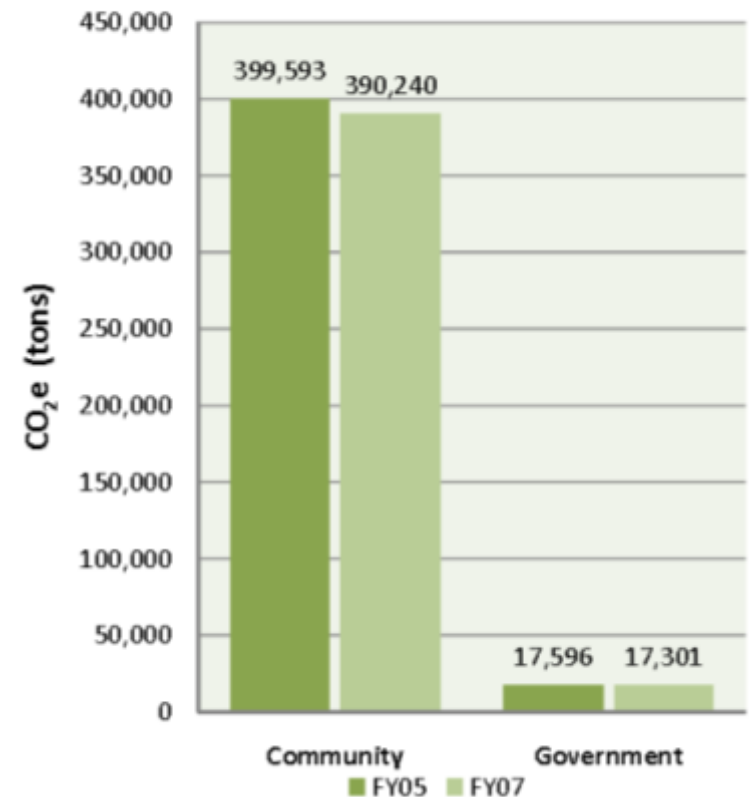


Figure 6.1: Total GHG Emissions by Year

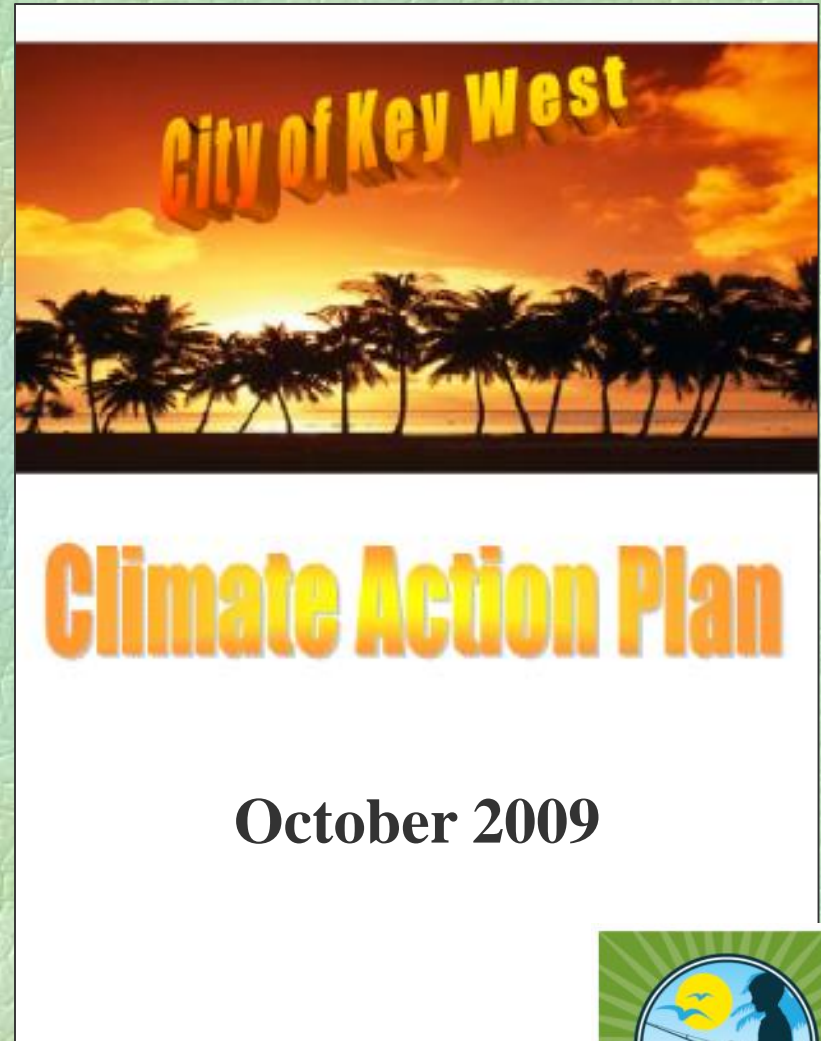


**Reduce GHG by 15%**



# How Do We Do It?

Monica Haskell, Chair	- Commissioner Davila
Dakin Weekley, Vice Chair	- Commissioner Weekley
Joanne Tarrantino Wilson	- Mayor Johnston
Lucy Carleton	- Commissioner Wardlow
Alison Morales-Kerr	- Commissioner Lopez
Richard Lightner, III	- Commissioner Kaufman
Eric Detwiler	- Commissioner Hoover
_____	- High School Ambassador ( <b>Open</b> )



# What Have We Done?



## Policies

- ✓ Key West Comprehensive Plan (52 items!)
  - ✓ Base Flood Elevation
  - ✓ Increased frequency and volume of rain
  - ✓ Capital Improvements: Current projections
- ✓ Green Certified City Buildings
  - ✓ City Hall
  - ✓ Transit Headquarters
  - ✓ Dockmasters Office
  - ✓ Sextons Office





# What Have We Done?



## Policies

- ✓ Building Permit Allocation System (BPAS)
  - 187,000 Gallons of Cisterns
  - 85 Bronze, 119 Silver, 128 Gold & 14 Platinum
  - 22 Electric Vehicle Chargers
  - 1 Vegetated Roof!
  - 244 Affordable, 140 Add'l Aff.
- ✓ Height Referendum



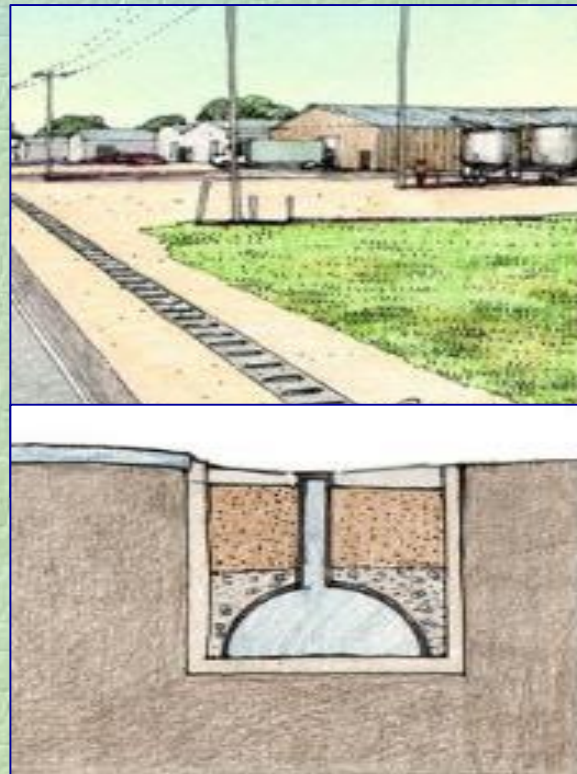
# What Have We Done?



PRESERVE ISLAND LIFE

## Stormwater Management

- ✓ 1989: Stormwater Comprehensive Planning
- ✓ 1994: 20 Gravity Wells





# What Have We Done?



## Stormwater Management

- ✓ 1995: Southernmost Café Redesign



- ✓ 1997: “Duckbill” Tidal Control valves

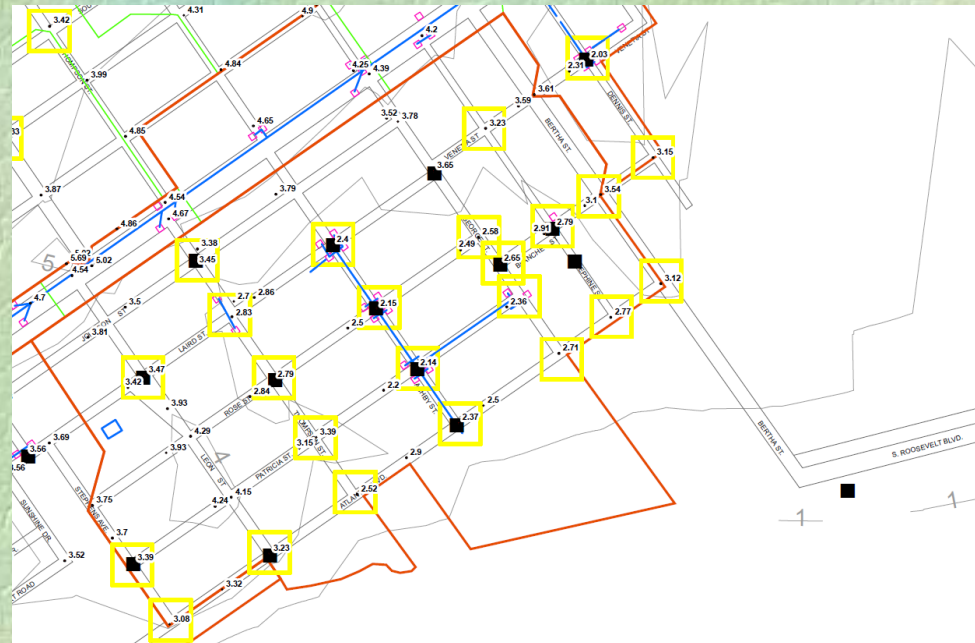


# What Have We Done?



## Stormwater Management

- ✓ 2003: Stormwater Utility Created
- ✓ 2003: First Pump Assist Injection Wells
- ✓ 2011: Mapped elevation of all Storm Drains





# What Have We Done?



## Stormwater Management

✓ 2016-18: Newtown Road Shoulders



✓ 2018: FEMA Mitigation Grants





# What Have We Done?



## Tree Canopy / Impervious

### KW Canopy Cover Survey (%)

1995	2004	2006	2015	2017
21	24	16	30	28

### Impervious only (%)

1995	2004	2006	2015	2017
38	43	43	45	46



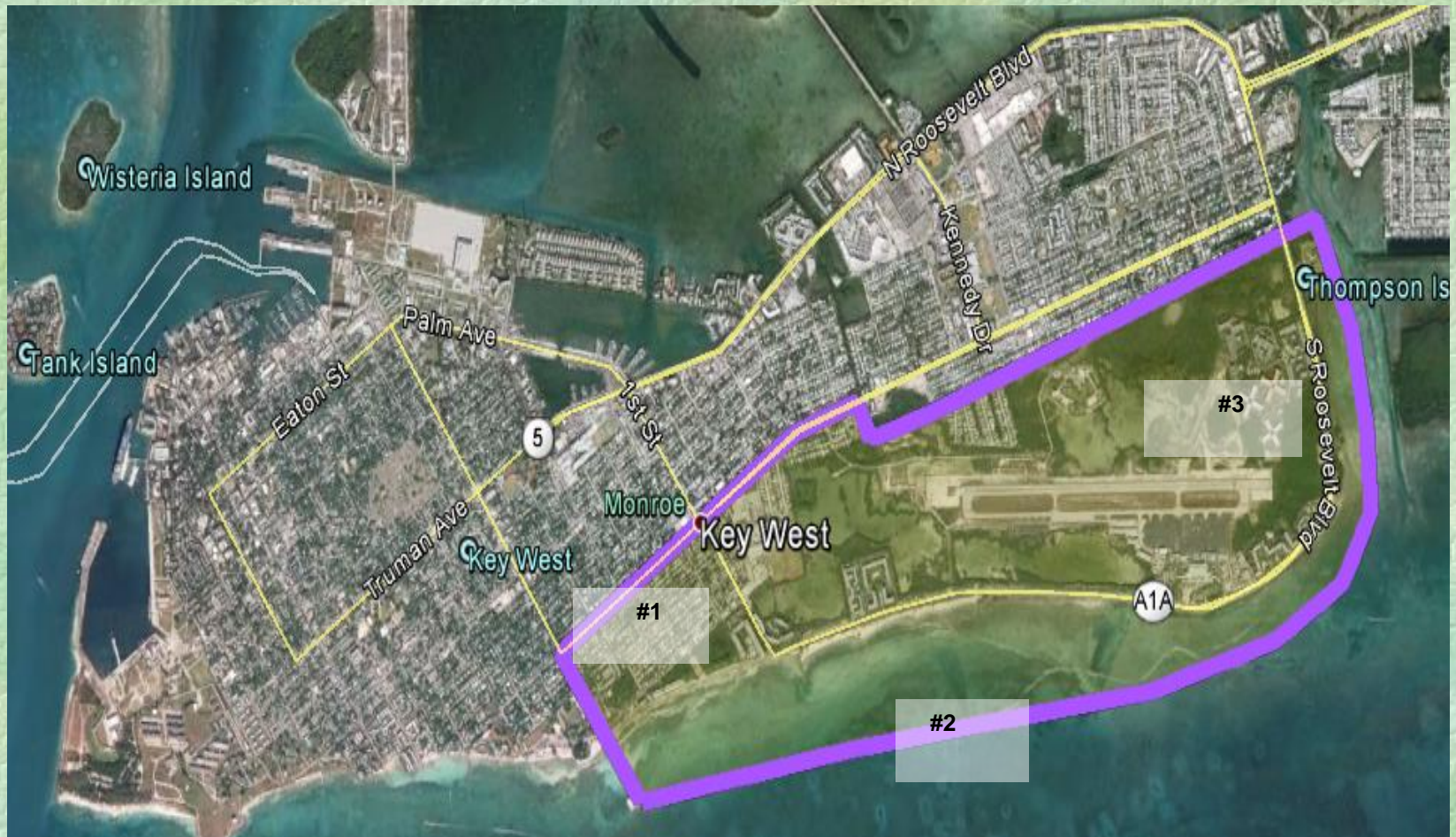


# What Have We Done?



## Adaptation

- ✓ 2015: Resilient Redesign Workshop





# What Have We Done?



## Adaptation

- ✓ 2015: Resilient Redesign Workshop

2' SLR





# What Have We Done?



## Adaptation

- ✓ 2015: Resilient Redesign Workshop



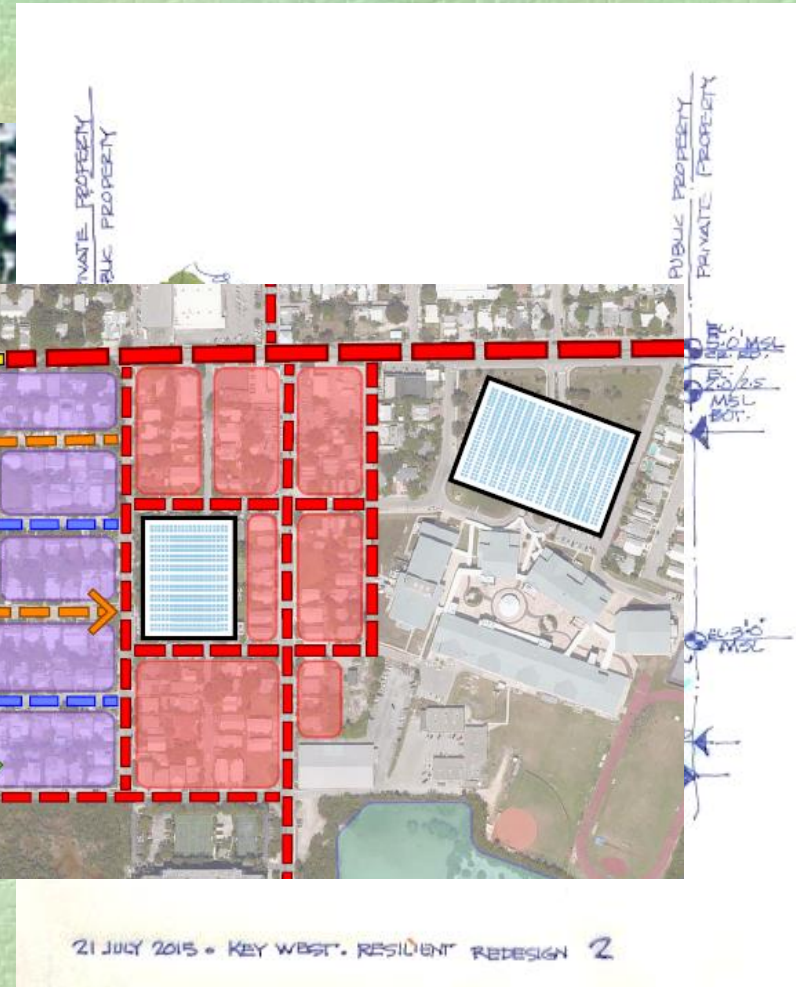


# What Have We Done?



## Adaptation

- ✓ 2015: Resilient Redesign Workshop





# What Have We Done?



## Adaptation

- ✓ 2015: Resilient Redesign Workshop



# What Have We Done?



PRESERVE ISLAND LIFE

## Adaptation

- ✓ 2016: Accepted into FEMA Community Rating System
- ✓ 2017: Mitigation Workshops for Flood Risk Homeowners
- ✓ 2018: First Concrete Raised Home!

### CRS Class and Premium Reductions

Class	Points	SFHA	Non-SFHA
1	4,500	45%	10%
2	4,000	40%	10%
3	3,500	35%	10%
4	3,000	30%	10%
5	2,500	25%	10%
6	2,000	20%	10%
7	1,500	15%	5%
8	1,000	10%	5%
9	500	5%	5%
10		0	0



# FIRM

FAIR INSURANCE RATES IN MONROE

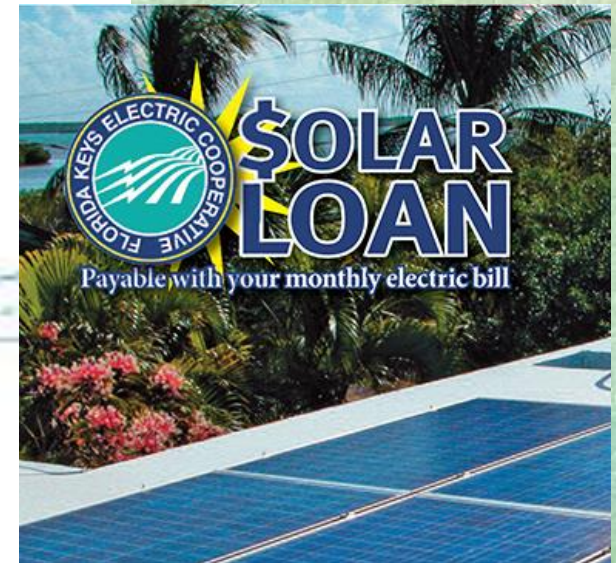
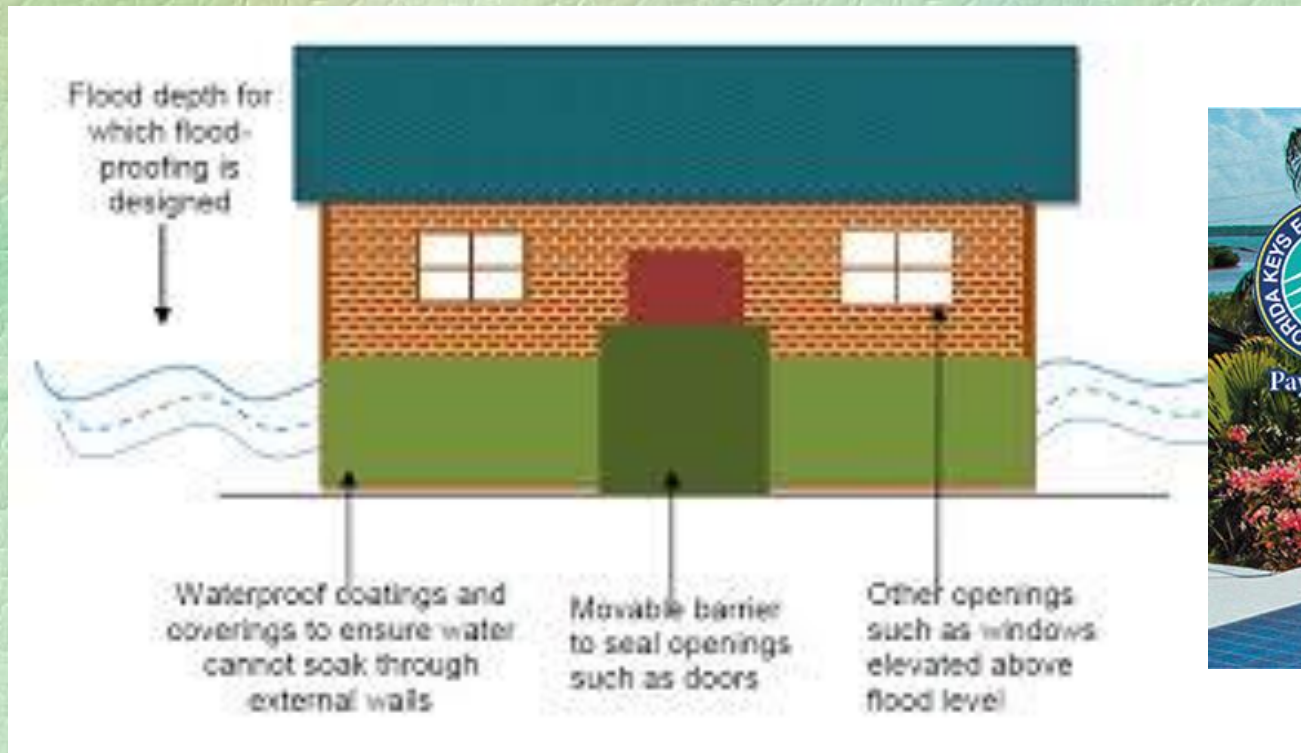


# What Comes Next?



## Future Goals

- ✓ Elevating homes
- ✓ Increase CRS Rating
- ✓ Dry Floodproofing
- ✓ Decrease Resource Dependence





# What Comes Next?



## Future Goals

- ✓ Increasing our resiliency



### FLORIDA KEYS COASTAL STORM RISK MANAGEMENT FEASIBILITY STUDY



This study is focused on reducing the potential





# 12 Step Program

## Monthly eNewsletter



The image shows a Facebook page for the "City of Key West - Preserve Island Life Campaign". The cover photo is a large, vibrant image of a palm tree against a clear blue sky. The profile picture is a circular logo featuring two silhouettes of people riding bicycles, with the text "KEY WEST" and "PRESERVE ISLAND LIFE" below it. The page name is "City of Key West - Preserve Island Life Campaign", and it has 120 likes and 15 people talking about it. The page is categorized as a "Government Organization" with a description: "Dedicated to helping individuals, businesses and organizations live lighter and save money." The page includes a "Sign Up" button, a "Liked" button, and a settings gear icon. Below the main content area, there are four tabs: "About", "Photos", "Events", and "Contact". The "About" tab is currently selected, showing the organization's description. The "Events" tab shows a green button with a white bus icon and the text "FREE BUSES ON". The "Contact" tab shows a blue button with a white person icon and an @ symbol. The "Likes" tab shows a thumbs-up icon and the number "1,310".

**KEY WEST**  
PRESERVE ISLAND LIFE

**City of Key West - Preserve Island Life Campaign**  
120 likes · 15 talking about this

Sign Up ▾   ▾ Liked   ⚙ ▾

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

About   Photos   Events   Contact   Likes

FREE BUSES ON

1,310



# Save The Date!

- **May 21<sup>st</sup>: Sustainability Annual Report & FY20 Bike Action Plan, City Commission (or online), 5-5:30pm**
- **May 22<sup>nd</sup>: Plogging the Keys, White Street Pier, 10am**
- **June 8: eWaste and HHW Day, Indigenous Park, 8-Noon**
- **June 19: Green Drinks Environmental Happy Hour, 5:30-7**
- **Late June: Transit Development Plan Open House**
- **June 29<sup>th</sup>: Mango Festival, Bayview Park**
- **Mid- December: Southeast Florida Regional Climate Compact Summit, Casa Marina.**





PRESERVE ISLAND LIFE



Climate Action Plan



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