

Innovations in Sustainability:  
Law +  
Data +  
Planning =  
Success!



# Town of Lantana

## Municipal Energy Conservation Coalition – MECC



Florida APA Conference  
September 15, 2012

# Lantana's Energy Efficiency Grants

- ❖ PBC - \$217,680 for Police Annex Renovation
- ❖ Florida Energy Grant - \$341,000 to develop energy improvements financing program for commercial properties
- ❖ EECBG - \$1,238,300 for 5-city MECC  
Energy Audits, Greenhouse Gas, Improvements to  
Buildings & Facilities, Planning policies

# Palm Beach Grant Local Grant Program

- ❖ Awarded \$217,680 to add Energy Efficiency Improvements to Police Annex Building Renovation
  - ❖ 10 kW Solar Array – sell power back to FPL
  - ❖ High SEER HVAC system & use condensate for toilet
  - ❖ Two 500-gallon cisterns for irrigation
  - ❖ High-efficiency windows
  - ❖ Roof – R-30 Insulation
- ❖ Weatherization, bamboo flooring, low VOC paints

# Municipal Energy Conservation Coalition – MECC

- ❖ 5 municipalities – Lantana, Atlantis, Ocean Ridge, Haverhill, Palm Beach Shores – joined to improve grant application's competitiveness
- ❖ Grant Amount – \$1,238,300, approx. \$247,000 per town
- ❖ Lantana was Grant Recipient and Administrator – \$115,000 for Admin. Assistance consultant and partial salary for 2 Town staff
- ❖ Started April 2011, ended August 31, 2012

# Projects Funded by Grant

- ❖ Energy Conservation Improvements to Municipal Buildings & Facilities
- ❖ Energy Audits for Town's facilities
- ❖ Greenhouse Gas Inventories and Reduction strategy development
- ❖ Rebates for residential energy improvements – Atlantis, Ocean Ridge & Haverhill only
- ❖ Energy Efficiency and Conservation Strategy
- ❖ Building Code and Transportation Strategy Development
- ❖ Education and Outreach

# Consultants

Erin L. Deady, P.A. ~ admin. assistance & development of energy conservation strategy/sustainability plan

Eaton Corp. & Vanasse Hangen Bruslin (VHB) ~ energy reviews (audits), greenhouse gas inventories, ongoing monitoring

1000 Friends of FL ~ transportation component of plan

EcoSmart PR ~ residential rebate managers

Radio Green Earth ~ media, education & website

# MECC

## Energy Conservation Improvements to Municipal Facilities

- ❖ HVAC & ductwork replacements & occupancy sensors
- ❖ Lighting conversions to T8 fluorescent
- ❖ Parking lot lighting upgrades
- ❖ Window & door replacement & window tinting
- ❖ Reflective roof coating
- ❖ Pump upgrades for water & wastewater systems



# MECC

## Residential Rebate Program

- ❖ 3 municipalities participated ~ Atlantis, Haverhill & Ocean Ridge
- ❖ Program ran from Dec. 2011 until April 30, 2012
- ❖ Total projects and monies ~
  - ❖ Programmable Thermostats ~ 39 for \$1,170
  - ❖ Central AC Units ~ 54 for \$111,702
  - ❖ AC Duct work ~ 16 for \$2,464
  - ❖ Ceiling insulation ~ 3 for \$900
  - ❖ Solar water heaters ~ 2 for \$2,000
  - ❖ Reflective roof coating ~ 1 for \$325
  - Totals 115 for \$118,561

# MECC

## Energy Conservation Strategy/ Sustainability Plan

- ❖ Energy conservation strategies – comp. plan policies, land development issues
- ❖ Recommendations across 8 Focus areas
- ❖ GHG reduction strategies – municipal operations, community-wide, transportation system improvements
- ❖ Education & Outreach – Radio Green Earth website
- ❖ Ongoing monitoring of impacts of improvements

# Florida Green Finance Authority

- ❖ Florida Energy Grant ~ \$341,000 to develop program to finance energy improvements for commercial properties
- ❖ Five local governments participating ~ Mangonia Park, West Palm Beach, Delray Beach, Boynton Beach, more to come
- ❖ “PACE” ~ Property Assessed Clean Energy
  - ❖ Pay for energy improvements through assessment on tax bill
  - ❖ More secure, so Lower Rates
  - ❖ Commercial properties only are eligible, for now.....
- ❖ Green Business Certification program