

**The Village of Key Biscayne Goes Green:
Seven Things Government Can Do Now to Increase Energy Efficiency and Conserve
Resources**

Prepared for Village Manager Jackie Menendez and Councilmember Pat Weinman
by
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A special presentation to Council and staff will integrate the voluntary provisions of the U.S. Conference of Mayors Climate Protection Agreement with action items the Village can take to address compliance with these provisions. Examples of steps other cities are taking to increase energy efficiency and conserve resources will be included.

The seven action items will be implemented after Council approval:

- 1) Request energy audits immediately from FPL for all municipal buildings (Village Hall, Community Center, Fire Station/Council Chamber).
- 2) Calculate the Village's carbon footprint. Include this and future footprint measurements on the Village website.
- 3) Implement easy energy savers after energy efficiency surveys are completed:
 - a. Replace incandescent bulbs with compact fluorescent light bulbs (CFLs) where needed and possible.
 - b. Instruct staff to turn off lights when leaving a room.
 - c. Install motion sensor light switches where possible.
 - d. Adjust thermostats seasonally.
 - e. Install programmable thermostats where possible.
- 4) Implement Village-wide "3 Rs Program (Reduce, Reuse, Recycle) in public areas.
 - a. Place containers for separating recyclable paper, containers, toner cartridges, etc. in offices, conference rooms, kitchens and public areas.
 - b. Provide recycling containers in outdoor public areas where possible.
 - c. Encourage and reward 3 Rs behavior in Village departments that do and do not currently recycle.
- 5) Implement Village-wide Green Purchasing. Each department currently does its own purchasing and vendors are paid by the Finance Department.
 - a. Review supply lists and find most green product alternatives.
 - b. Consider centralizing efforts to reduce duplication, waste and cost (materials and delivery).
- 6) Review water use in public areas: Assess current Village irrigation program vs. water needs of plantings.
 - a. Promote zoned plantings (plant water-hungry items near each other) and xeriscaping to save water and money in this era of water restrictions.
 - b. Develop resident-friendly plan showing extent of planned purple pipe (reuse water) irrigation.
 - c. Explore methods for rainwater harvesting and use.
- 7) Review efficacy of Village curbside recycling program provided as part of our solid waste contract with Waste Management Inc. Investigate fate of recyclables.