



# WORKING TOGETHER TOWARDS A SUSTAINABLE FUTURE

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Amy Knowles, GreenPrint Planning Coordinator, Department of  
Environmental Resources Management

June 7<sup>th</sup>, 2010

# AGENDA

Meeting Purpose: To further our partnership with municipalities for the development and implementation of **greenPrint**, a community sustainability plan.

- ❑ Welcome & Meeting Purpose
- ❑ Introductions
- ❑ Regional Climate Change Compact Overview
  - ❑ Susanne Torriente, Director, Office of Sustainability
- ❑ GreenPrint Overview & Timing
  - ❑ Susanne Torriente
  - ❑ Amy Knowles, GreenPrint Planning Coordinator, DERM
- ❑ Linkages with Municipal Plans
- ❑ Common Initiatives
- ❑ Next Steps

# HISTORY OF BCC SUSTAINABILITY LEADERSHIP

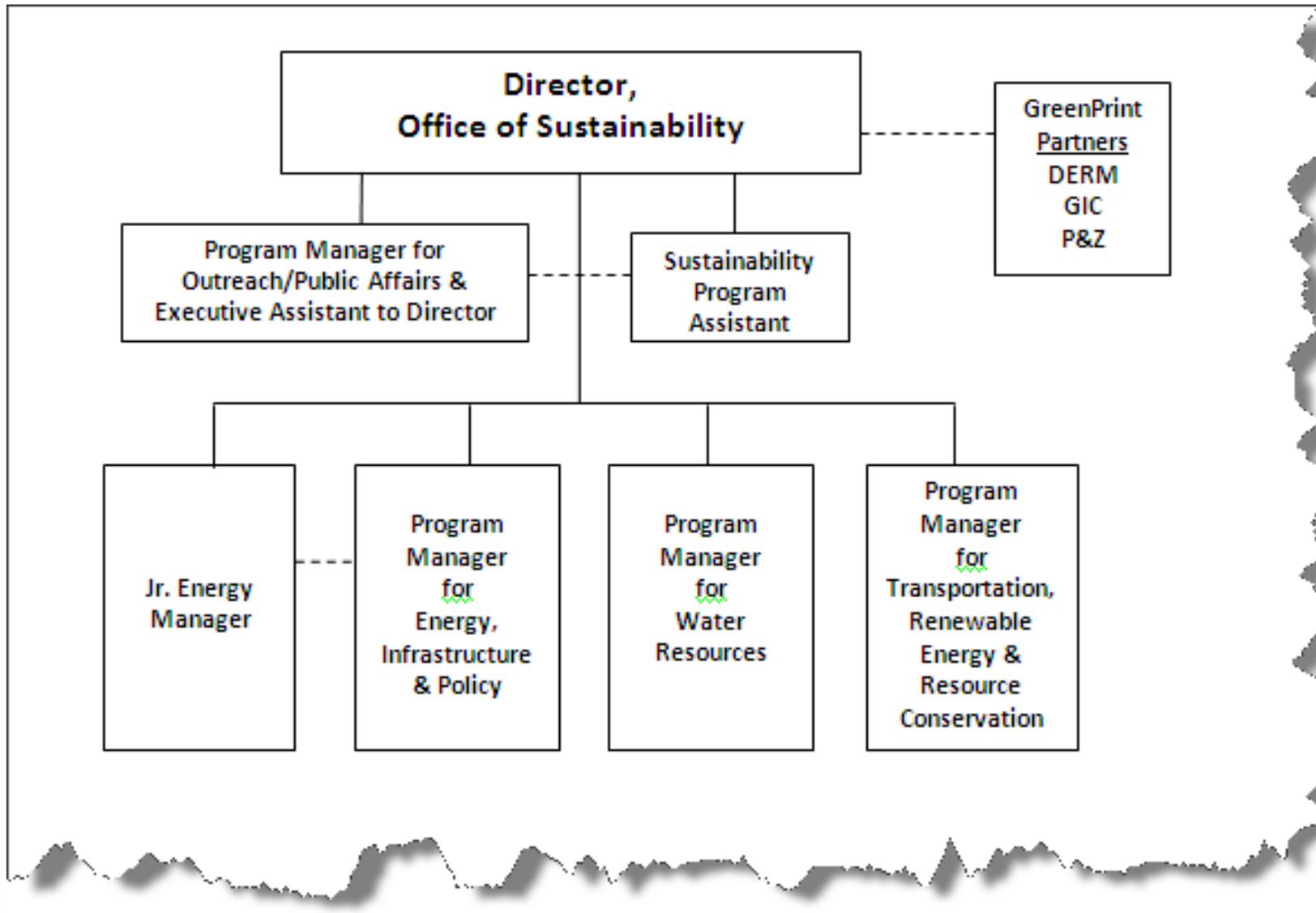
Since 1991, the BCC has passed 99 pieces of *sustainability* legislation covering climate protection, energy and water efficiency, alternative energy, green building, green jobs, etc.

## EXAMPLES INCLUDE:

- ❑ 1991: MDC joins the International Council For Local Environmental Initiatives (ICLEI)
- ❑ 2006: Creation of the Climate Change Advisory Task Force (CCATF)
- ❑ 2007: Sustainable Buildings Ordinance
- ❑ 2008: Commitment to "COOL COUNTIES" goals and objectives, to reduce GHG emissions by 80% by 2050
- ❑ 2009: Commitment to reduce government electricity consumption by 20% by 2012
- ❑ 2009: Established Southeast Regional Climate Change Compact

# OFFICE OF SUSTAINABILITY

- ❑ OOS was created in FY 2007-08 through Ordinance 07-65, to establish a Sustainable Buildings Program for County facilities and required the creation of a Sustainability Manager to oversee it.
  - ❑ Also created to assist departments and lead initiatives that enable the County to target and realize improved performance that simultaneously values economic, social and environmental impacts and opportunities.
- ❑ Energy Efficiency & Conservation Block Grant Program (EECBG)
  - ❑ County awarded \$12.5 million to implement 14 projects across 8 different County departments over the next three years
- ❑ County was selected to develop and implement **greenPrint** with our community



# SOUTHEAST FLORIDA REGIONAL CLIMATE COMPACT

- ❑ Established in 2009
  - First Regional Climate Change Summit, October 2009
  - Compact Ordinance endorsed by four SE FL Counties (~ 5.5 million people)
    - Miami-Dade, Broward, Monroe, West Palm Beach
- ❑ Regional Collaboration
  - Regional Climate Action Plan
    - GHG Baseline & Mitigation Strategy, Adaptation Strategy
  - Policies & Lobbying Activities
- ❑ Two Year Planning Horizon
  - Steering Committee
  - Working Groups
    - Regional Climate Action Team
    - Policy Coordination Team
    - Annual Summit Team



# WHY A SUSTAINABILITY PLAN?



- ❑ Selected by ICLEI as a pilot community
- ❑ To make certain that our community effectively addresses key sustainability and climate change issues
- ❑ To facilitate coordination of County and community existing comprehensive plans & initiatives
- ❑ To tie together environmental, economic and social equity goals
- ❑ To create a community framework for coordination and measurement
- ❑ To measure progress and success



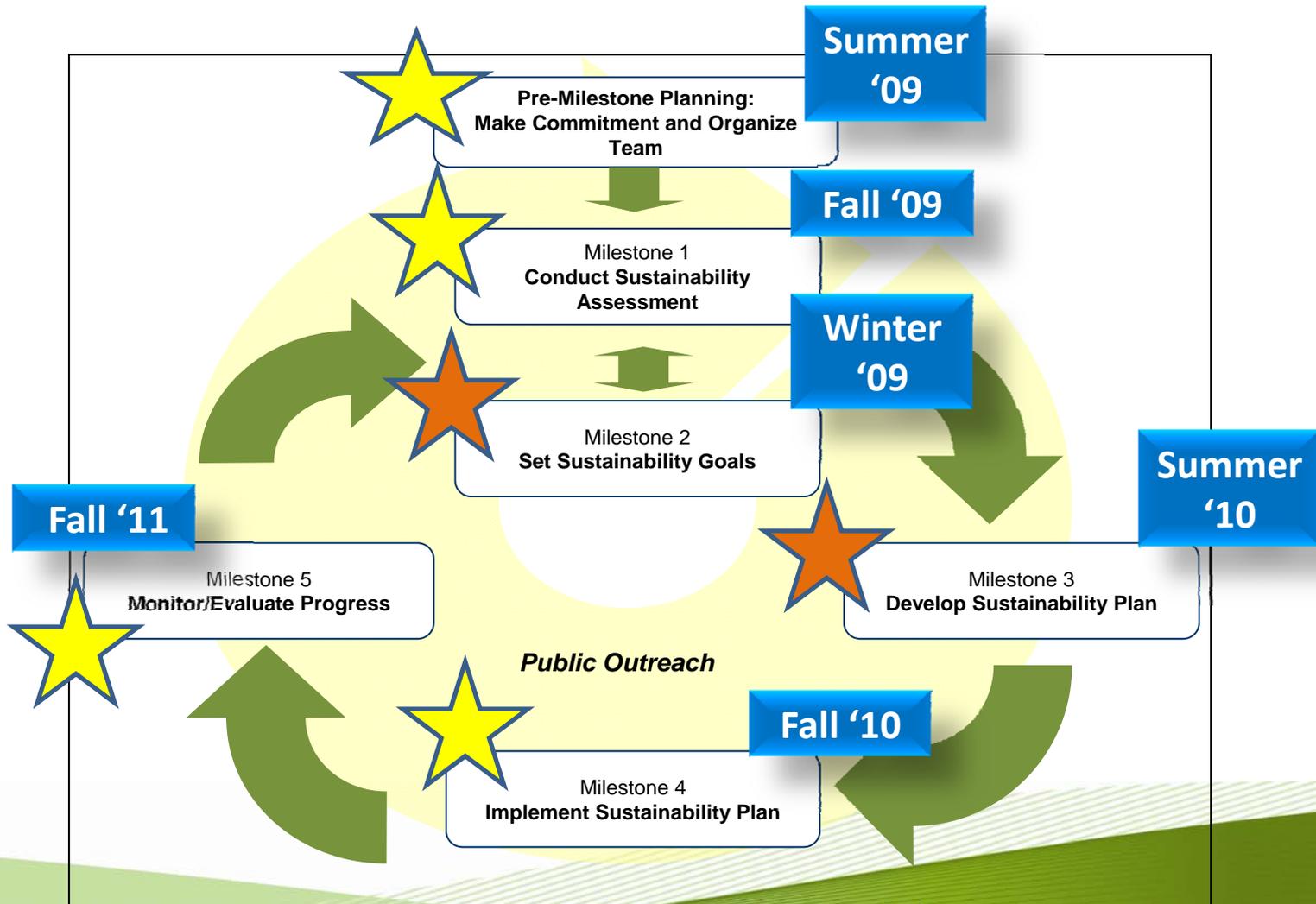
Founded in 1990, ICLEI is comprised of 1100 local governments from 70 countries who are committed to sustainable development.

- ICLEI provides **technical consulting, training, and information services** to build capacity, share knowledge, and support local government.

**Members include:**

*New York, Chicago, Los Angeles, King County, Portland, Montreal, London, Rome, Amsterdam, Stockholm, Barcelona, Berlin, Brisbane, Curitiba, Mexico City, Rio de Janeiro, Zurich, etc.*

# PLANNING PROCESS: SUSTAINABILITY PLAN MILESTONES



# GOALS, STRATEGIES, AND INITIATIVES ARE DRAFT

## Milestone #2

- Developing Aspirational Goals
  - Achievable and measurable

## Milestone #3

- Developing the Action Plan: Strategies & Initiatives
  - Collected through
    - The Assessment process,
    - CCATF Recommendations,
    - Brainstorming Sessions with:
      - The Mayor's Sustainability Advisory Board & the Interdepartmental Team
      - County Executive Office and Department Directors
    - Outreach: Elected officials, municipalities
  - Refinement and Initiative Analysis Process



# GOAL AREAS

- ❑ Strong Leadership, Connections & Commitment
- ❑ Climate Change Adaptation
- ❑ Water & Energy Efficiency
- ❑ Resource Protection & Conservation
- ❑ Responsible Land Use & Smart Transportation
- ❑ Vibrant Economy
- ❑ Healthy Communities



## CREATE THE NEXT GENERATION OF GREEN LEADERS”

Green Government

### LEADERSHIP, CONNECTIONS & COMMITMENT

Create interest, imagination, and innovation for investments in sustainability

- Create a common language to communicate the importance of investments in sustainability
- Be sustainability leaders

Encourage and foster civic engagement and personal commitment

### Strategies

- Develop regional and local community partnerships
- Be world class leaders in sustainability
- Be a role model for green government practices
- Create ongoing outreach, education, and dialogue with the community about sustainability climate change



## “BE AN INTERNATIONAL MODEL FOR CLIMATE CHANGE ADAPTATION”

# CLIMATE CHANGE ADAPTATION

Prepare our community for the future impacts of climate change □  
Communicate the need and urgency for action □ Turn science into  
action

## Strategies

- Monitor regional climate change indicators and trends
- Develop local and regional climate change impact scenarios depicting various impacts and time frames
- Communicate the benefits of sustainability and the implications of climate change
- Integrate climate change considerations into strategic and fiscal decision-making



“REDUCE FOSSIL FUEL CONSUMPTION TO MEET  
GHG EMISSIONS GOAL OF 80% BY 2050”

“REDUCE WATER CONSUMPTION BY 1.5 MILLION GALLONS  
A DAY”

## WATER & ENERGY EFFICIENCY

Manage water and energy use to maximize efficiency minimize GHG emissions and pollution displace fossil fuel generated electricity with renewable energy  Preserve future drinking water supplies

### Strategies

- ❑ Reduce water and energy consumption through increasing energy efficiency of existing and new buildings community-wide (including schools) and other energy consuming assets
- ❑ Create public-private partnerships to increase water and energy efficiency behaviors in the larger community, including homeowners, businesses, and seniors, and low-income groups



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## WATER & ENERGY EFFICIENCY

Manage water and energy use to maximize efficiency minimize GHG emissions and pollution displace fossil fuel generated electricity with renewable energy  preserve future drinking water supplies

### Strategies

- Launch an energy (electricity & fuel) efficiency & conservation awareness campaign linking to water conservation efforts
- Expand alternative fuel (bio-diesel/waste-based bio-diesel) and renewable energy industries
- Be government leaders in energy efficiency



“MAINTAIN OUR EXCELLENT RECREATIONAL AND DRINKING WATER,  
ENHANCE BISCAYNE BAY AND THE EVERGLADES,  
AND PROTECT CRITICAL NATURAL RESOURCES”  
“RECYCLE 75% OF OUR WASTE BY 2020”

## RESOURCE PROTECTION & CONSERVATION

It's all about the water  Understand the connections of the natural environment to water  Protect and preserve our water supplies  Manage stormwater and wastewater  Reinvent solid waste management

### Strategies

- Maximize the environmental and economic benefits of wastewater reuse to protect future water supply
- Address salt water intrusion that threatens drinking water wellfields and sensitive natural areas (CCATF D8)
- Protect, enhance, and restore our natural resources
- Protect environmental and other lands that may be important for ecosystem and community resilience
- Develop a sustainable Solid Waste System and Master Plan



Transportation

“MAKE PUBLIC TRANSPORTATION A FIRST CHOICE”  
“EVERY RESIDENT WILL HAVE A 5-MINUTE WALK  
TO A PARK OR CIVIC SPACE”

## RESPONSIBLE LAND USE & SMART TRANSPORTATION

Create and connect communities where residents live, work, and play

- Shift focus and funding from roads to public transportation
- Make public transportation a first choice
- Promote a variety of transit options
- Provide parks & open space
- Responsible use of land (UDB and UEA)
- Preserve Open Space, Farmland, Natural Beauty and Critical Environmental Areas

### Strategies

- Practice integrated housing, transportation, and land use planning and investment
- Make living in the urban core, designated urban centers and infill areas attractive and desirable (Direct development and redevelopment to existing communities and promote mixed and compact building patterns)



“MAKE PUBLIC TRANSPORTATION A FIRST CHOICE”  
“EVERY RESIDENT WILL HAVE A 5-MINUTE WALK  
TO A PARK OR CIVIC SPACE”

## RESPONSIBLE LAND USE & SMART TRANSPORTATION

### Strategies

- ❑ Redefine where we should develop (Redefine the Urban Expansion Area (UEA) and better plan outside the Urban Development Boundary (UBD) including addressing sub-urbanization of agricultural areas)
- ❑ Create and connect neighborhoods where residents can safely live, work, study and play (self-sustaining and walkable neighborhoods)
- ❑ Provide for alternate modes of transportation and effective non-motorized connections to reduce vehicle miles traveled
- ❑ Provide adequate funding for public transportation
- ❑ Increase transit ridership through system improvements
- ❑ Accelerate the expansion of transit



Building

## “CREATE GREEN JOBS”

### VIBRANT ECONOMY

Cultivate an innovative and sustainable economic infrastructure  Create jobs in a local green economy  Recognize, retain, and market that small businesses are green  Reinvent construction, trades, and real estate  Support the role of education in economic success  Recognize the importance of agriculture  Broaden tourism to eco-tourism & voluntourism

### Strategies

- Facilitate a sustainable economy
- Recognize, retain, and market that small local businesses are green
- Demonstrate effective sustainability management practices to be competitive in a "green" market
- Enhance our educational system to develop our current and future workforce for a sustainable economy
- Build on our successful tourism industry to create a sustainable tourism destination through eco-tourism, voluntourism, and agri-tourism
- Increase the sustainability agricultural practices



Green Living

“IMPROVE THE WALKABILITY OF OUR COMMUNITIES”  
“ACHIEVE A 30% TREE CANOPY BY 2020”  
“BE HEALTHIER”

## HEALTHY COMMUNITIES

Improve our quality of life  Make neighborhoods “pedestrian first” so that we walk & bike more  Make neighborhoods green & cool  Ensure public safety  Eat locally grown food

### Strategies

- Facilitate active and safe lifestyles for residents through the Open Space Master Plan and other community initiatives
- Make neighborhoods greener and cooler
- Improve public health and realize sustainability benefits by reducing harmful air pollution and residential commercial and chemical use
- Promote fresh, local, organic food in all neighborhoods

# Thank You!