

Climate Change Action Plan Update and Next Steps

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Update Process

▶ Step 1:

- ▶ Review existing plan and performance of actions to date
- ▶ Highlight actions for future focus (today's presentations)

▶ Step 2:

- ▶ Form 7 Focus Area Subcommittees**
- ▶ Series of subcommittee meetings (CCTF members and subject matter experts)
- ▶ Subcommittees recommend actions for updated plan

▶ Step 3:

- ▶ Develop draft CCAP for review
- ▶ Finalize and release CCAP by end of 2015



Built Environment

► Focal Areas:

- Infrastructure
- Planning & Zoning
- Water Supply, Management
- Structural/ Building Envelope
- Insurance
- Emergency Management



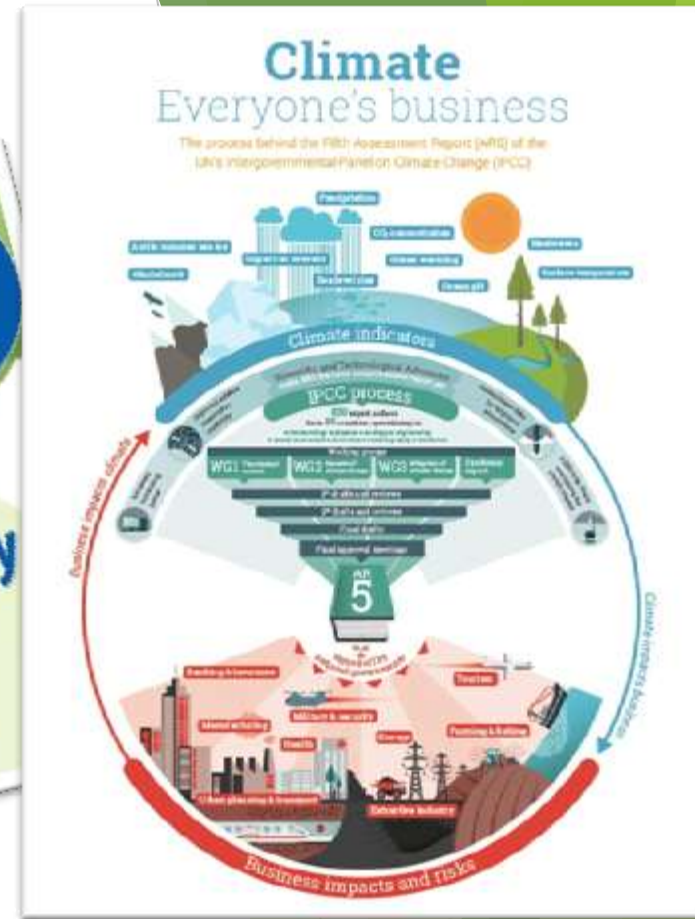
- Zoning bonuses
- Asset sharing, trading resilient technology
- Elevate critical infrastructure and fuel supply
- Align insurance policies



Economic, Social and Health

► Focal Areas:

- Relevant GHG Reduction Measures
- Adaptation Policies and Strategies
- Impacts to Vulnerable Populations
- Marketing of Energy Efficient Products and Services



- Neighborhood climate action network
- Facilitate equipment upgrades through bulk purchasing
- Evaluate economic and industrial vulnerabilities
- Support buy local programs

Natural Systems Adaptation

- ▶ Focal Areas:
 - ▶ Regional restoration initiatives
 - ▶ Adaptation strategies for natural resources
 - ▶ Stormwater management best practices
 - ▶ Climate Indicators

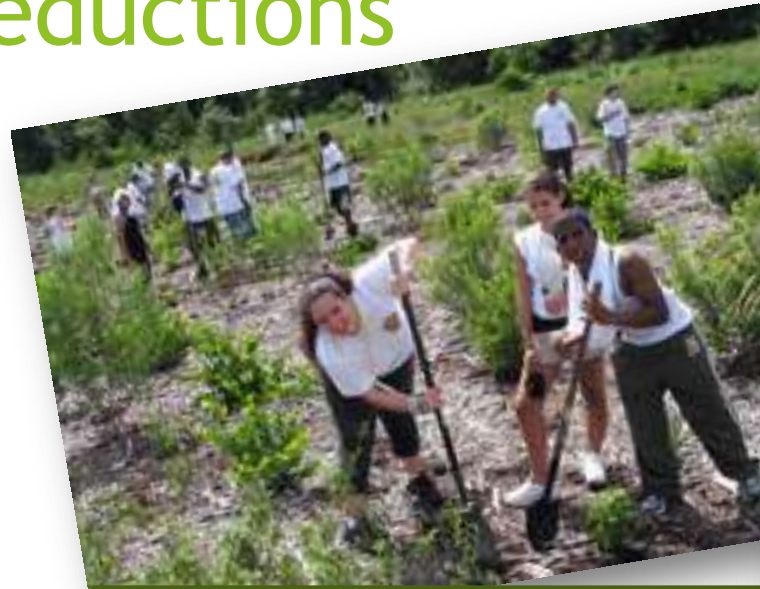


- Reef enhancement
- Integrating natural infrastructure into resilience strategy
- Water storage areas
- Reforestation/ mangrove plantings

Greenhouse Gas Reductions

► Focal Areas:

- Built Environment
- Transportation
- Consumption
- Carbon Sequestration



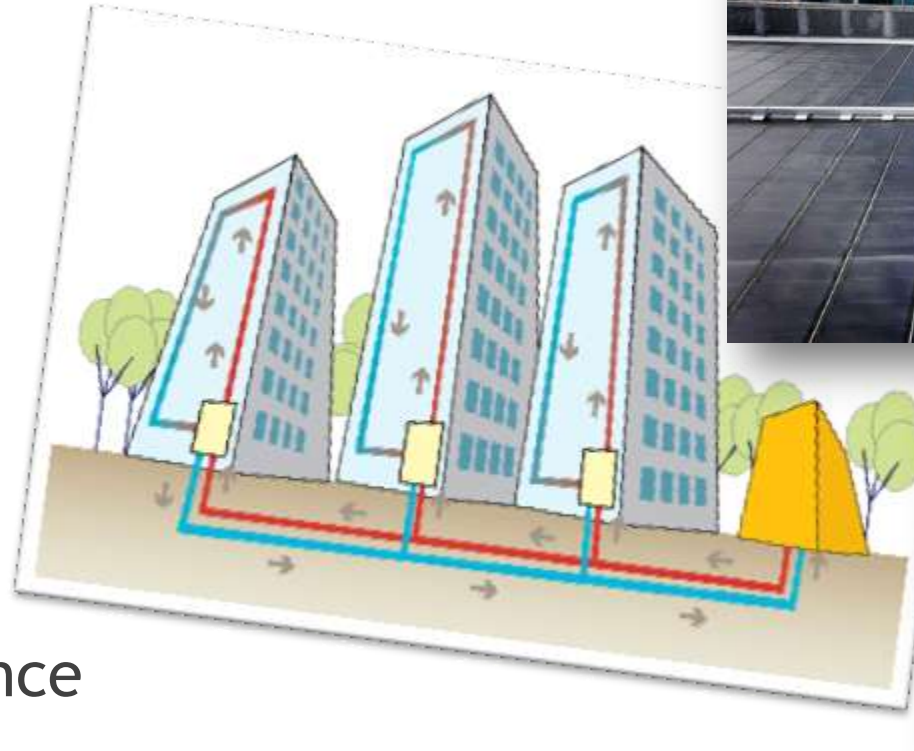
- Building challenge
- Youth Transit Passes
- Improve freight movement
- EV Infrastructure
- Business waste prevention
- Sustainable jails
- Low carbon purchasing
- Zero-waste planning
- Anaerobic digesters for food waste
- Fuel economy standards for fleet



Renewable & Alternative Energy

► Focal Areas:

- Biomass, solar, wind, geothermal, ocean energy
- Construction and performance of installations
- Potential Projects and Research



- Energy performance ratings for all homes
- Target net zero energy through building code
- District heating and cooling
- Accelerate clean energy permitting
- Modernize grid
- Energy efficiency standards
- Biomass at existing power plants
- Building energy labels

Intergovernmental Affairs

► Focal Areas:

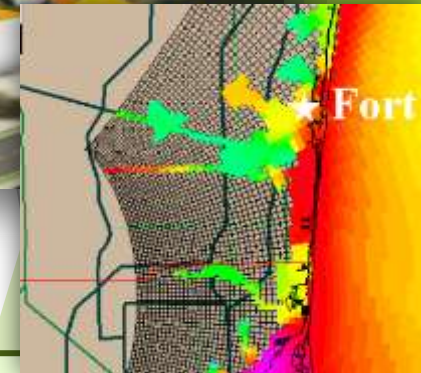
- Relevant Local, County and State policies, plans and projects
- Climate Change Education
- Coordination of policy, funding requests, and planning



- Support climate resilient investment and climate ready infrastructure
- Lobby for net metering, feed in tariff, interconnection rules, inclined rate and examination of standard rate structure
- Support low cost loans, tax credits, expedited plan review and feebates for design professionals.
- Improvements to state energy code
- Curriculum for GHG awareness

Science & Technology

- ▶ Focal Areas:
 - ▶ Sea Level Rise
 - ▶ Climate Change
 - ▶ Probabilities of Occurrence
 - ▶ Adaptation Science



- Consider sea level rise projection in design
- Storm surge and climate modeling
- Support installation of tide gage installation
- Climate Indicator Monitoring

Subcommittees



▶ Who?

- ▶ Subcommittee Chair- appointed by Commissioner Furr, Chair
- ▶ Subcommittee Vice Chair- appointed by Subcommittee Chair
- ▶ Members of Task Force
- ▶ Technical Experts
- ▶ Other Interested Parties (at pleasure of CCTF)

Subcommittee Objectives

Review potential actions/
Identify gaps in strategy

Request research assignments of staff

Recommend actions

Prioritize/
Suggest time frames

Provide final review of updated CCAP

Sample Recommendation

- ▶ Goal Statement for Focal Area
- ▶ Action
- ▶ Rationale
- ▶ Economic Argument
- ▶ Challenges
- ▶ Monitoring
- ▶ Performance Measures
- ▶ Outreach Considerations

 Broward County Climate Change Action Plan
Broward County Climate Change Task Force Recommendation Template

Subcommittee:

Focal Area:

Goal Statement for this Focal Area:

Action:
What are we going to do?
Who is going to do it?
Who will partner on this effort?
When will we do it?
Action Timeframe: ___ Immediate ___ Short Term ___ Mid Term ___ Long Term
Target Completion Date:

Rationale:
Why should we take this action?
Existing Conditions and Trends:
Supporting Data and Sources:

Economic Argument:
What is the investment in and benefits of this action?
Existing Funding Sources:
Future Funding Sources:
Other Benefits:

Challenges: What issues should be kept in mind when implementing this action?

Monitoring: How will we track progress on this action?

Performance Measures:
What measurable goal will be achieved if successful?
Where applicable include: Reduced Carbon Footprint/Greenhouse Gas: _____ tonnes eCO₂/yr

Subcommittee Meeting Schedule

- ▶ March-May (1 meeting per month each subcommittee, 4- 6 pm)
 - ▶ Property and Infrastructure/ Built Environment
 - ▶ Economic, Social and Health
 - ▶ Natural Systems
- ▶ June-Aug (1 meeting per month, 4- 6 pm)
 - ▶ Greenhouse Gas Reductions
 - ▶ Renewable & Alternative Energy
 - ▶ Intergovernmental Affairs
- ▶ August
 - ▶ Draft CCAP

* Meeting dates/ times at discretion of Chair

Questions

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Subcommittee Appointments

- ▶ Economic, Health and Social
 - ▶ Adrienne Kaltman
- ▶ Greenhouse Gas Reductions
 - ▶ Hector Samario
- ▶ Intergov. Affairs & Communication
 - ▶ Jim Murley
- ▶ Natural Systems Adaptation
 - ▶ Richard Grosso
- ▶ Renewable & Alternative Energy
 - ▶ John Pisula
 - ▶ Rob Kornahrens
- ▶ Science and Technology
 - ▶ Dorothy Sifuentes
- ▶ Property & Infrastructure, Built Environment
 - ▶ Henry Sniezek